Memorandum

To: Mr. Le

From: Kimberly Johnson

Date: 7/31/02

Re: Litigation search request 5,600,672

Attached please find the results of your litigation search. Please feel free to contact me if you have additional questions or concerns. Thank you and have a great day.

Kimberly Johnson TIS EIC 2600 305-4071

Query/Command: prt max legalall

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1/1 PLUSPAT - @QUESTEL-ORBIT - image
PN
           US5600672 A 19970204 [US5600672]
ΤI
           (A) Communication system
PA
           (A) MATSUSHITA ELECTRIC IND CO LTD (JP)
IN
           (A) OSHIMA MITSUAKI (JP); SAKASHITA SEIJI (JP)
AP
           US24052194 19940510 [1994US-0240521]
PR
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           JP6279891 19910327 [1991JP-0062798]
           JP9581391 19910425 [1991JP-0095813]
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           JP6073992 19920317 [1992JP-0060739]
           JP13298493 19930510 [1993JP-0132984]
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           JP34997293 19931227 [1993JP-0349972]
           JP7966894 19940324 [1994JP-0079668]
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IC
           (A) H04B-001/38 H04L-005/16
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           H04L-001/00B1
           H04L-027/02
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           H04L-027/18M
           H04L-027/26M1
           H04L-027/26M1E
           H04L-027/34
           H04L-027/34M
           H04L-027/38N2
           H04N-005/44N
           H04N-007/24A
           H04N-007/26E
           H04N-007/54
PCL
           ORIGINAL (O): 375219000; CROSS-REFERENCE (X): 375270000 375301000 375321000
DT
           Basic
CT
           US5164963
           Shanmugam, "Digital and Analog Communication Systems" 1979, p. 272.
STG
           (A) United States patent
AB
           At the transmitter side, carrier waves are modulated according to an input signal for producing
           relevant signal points in a signal space diagram. The input signal is divided into, two, first and
           second, data streams. The signal points are divided into signal point groups to which data of
           the first data stream are assigned. Also, data of the second data stream are assigned to the
           signal points of each signal point group. A difference in the transmission error rate between
           first and second data streams is developed by shifting the signal points to other positions in the
           space diagram expressed at least in the polar coordinate system. At the receiver side, the first
           and/or second data streams can be reconstructed from a received signal. In TV broadcast
           service, a TV signal is divided by a transmitter into low and high frequency band components
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which are designated as first and second data streams respectively. Upon receiving the TV

signal, a receiver can reproduce only the low frequency band component or both the low and high frequency band components, depending on its capability. Furthermore, a communication system based on an OFDM system is utilized for data transmission of a plurality of subchannels, wherein the subchannels are differentiated by changing the length of a guard time slot or a carrier wave interval of a symbol transmission time slot, or changing the transmission electric power of the carrier.

1/1 LGST - @LEGSTAT

PN - US 5600672 [US5600672]

DT - US-P

ACT - 20020702 US/RF

REISSUE APPLICATION FILED

20020429

UP - 2002-30

1/1 CRXX - @CLAIMS/RRX

PN - 5,600,672 A 19970204 [US5600672]

PA - Matsushita Electric Industrial Co Ltd JP

ACT - 19990204 REISSUE REQUESTED

ISSUE DATE OF O.G.: 19990420

REISSUE REQUEST NUMBER: 09/244037

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20000915 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20001114
REISSUE REQUEST NUMBER: 09/662695
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20000919 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20001114
REISSUE REQUEST NUMBER: 09/666012
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20000921 REISSUE REQUESTED ISSUE DATE OF O.G.: 20001114

REISSUE REQUEST NUMBER: 09/667438 EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20000921 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010102
REISSUE REQUEST NUMBER: 09/667525
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20000925 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010313
REISSUE REQUEST NUMBER: 09/668068
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20000925 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010403
REISSUE REQUEST NUMBER: 09/669916
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20000929 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010213
REISSUE REQUEST NUMBER: 09/672948
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20000929 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010501
REISSUE REQUEST NUMBER: 09/672947
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20001005 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20001128
REISSUE REQUEST NUMBER: 09/678014
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20001005 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20001226
REISSUE REQUEST NUMBER: 09/677420
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20001005 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20001226
REISSUE REQUEST NUMBER: 09/677421
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20001005 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010522
REISSUE REQUEST NUMBER: 09/680176
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20001005 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010605
REISSUE REQUEST NUMBER: 09/680177
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20001012 REISSUE REQUESTED ISSUE DATE OF O.G.: 20001128

REISSUE REQUEST NUMBER: 09/686464 EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

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REISSUE REQUEST NUMBER: 09/688028
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REISSUE REQUEST NUMBER: 09/686463
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

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20001012 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010102
REISSUE REQUEST NUMBER: 09/686466
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Reissue Patent Number:

20001012 REISSUE REQUESTED
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REISSUE REQUEST NUMBER: 09/686467
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20001012 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010130
REISSUE REQUEST NUMBER: 09/686465
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Reissue Patent Number:

20020429 REISSUE REQUESTED ISSUE DATE OF O.G.: 20020611

REISSUE REQUEST NUMBER: 10/133364

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20020429 REISSUE REQUESTED ISSUE DATE OF O.G.: 20020702

REISSUE REQUEST NUMBER: 10/133347

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

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AN - 200227-001786

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OG - 2002-07-02

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AN - 199916-001183

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OG - 1999-04-20

ACT - REISSUE APPLICATION FILED

LEVEL 1 - 1 OF 1 PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5600672

Library: PATENT
File: ALL

<=1> GET 1st DRAWING SHEET OF 178

February 4, 1997

Communication system

REISSUE: October 5, 2000 - Reissue Application filed Oct. 5, 2000 (O.G. Jun. 5, 2001) Ex. Gp.: 2614; Re. S.N. 09/680,177Reissue Application filed Oct. 5, 2000 (O.G. May 22, 2001) Ex. Gp.: 2614; Re. S.N. 09/680, 176Reissue Application filed Sep. 29, 2000 (O.G. May 1, 2001) Ex. Gp.: 2614; Re. S.N. 09/672,947Reissue Application filed Sep. 25, 2000 (O.G. Apr. 3, 2001) Ex. Gp.: 2614; Re. S.N. 09/669,916Reissue Application filed Sep. 25, 2000 (O.G. Mar. 13, 2001) Ex. Gp.: 2614; Re. S.N. 09/668, 068Reissue Application filed Sep. 29, 2000 (O.G. Feb. 13, 2001) Ex. Gp.: 2614; Re. S.N. 09/672,948Reissue Application filed Oct. 12, 2000 (O.G. Jan. 30, 2001) Ex. Gp.: 2614; Re. S.N. 09/686,465Reissue Application Filed Oct. 12, 2000 (O.G. Jan. 2, 2001) Ex. Gp.: 2614; Re. S.N. 09/686, 467Reissue Application Filed Oct. 12, 2000 (O.G. Jan. 2, 2001) Ex. Gp.: 2614; Re. S.N. 09/686, 466Reissue Application Filed Oct. 12, 2000 (O.G. Jan. 2, 2001) Ex. Gp.: 2614; Re. S.N. 09/686,463Reissue Application Filed Sep. 21, 2000 (O.G. Jan. 2, 2001) Ex. Gp.: 2614; Re. S.N. 09/667, 525Reissue Application filed Oct. 5, 2000 (O.G. Dec. 26, 2000) Ex. Gp.: 2614; Re. S.N. 09/677,420Reissue Application filed Oct. 12, 2000 (O.G. Nov. 28, 2000) Ex. Gp.: 2614; Re. S.N. 09/688,028Reissue Application filed Oct. 12, 2000 (O.G. Nov. 28, 2000) Ex. Gp.: 2614; Re. S.N. 09/686, 464Reissue Application filed Oct. 5, 2000 (O.G. Nov. 28, 2000) Ex. Gp.: 2614; Re. S.N. 09/678,014Reissue Application filed Sep. 21, 2000 (O.G. Nov. 14, 2000) Ex. Gp.: 2614; Re. S.N. 09/667,438Reissue Application filed Sep. 19, 2000 (O.G. Nov. 14, 2000) Ex. Gp.: 2614; Re. S.N. 09/666, 012Reissue Application filed Sep. 15, 2000 (O.G. Nov. 14, 2000) Ex. Gp.: 2614; Re. S.N. 09/662,695Reissue Application filed Feb. 4, 1999 (O.G. Apr. 20, 1999) Ex. Gp.: 2614; Re. S.N. 09/244,037June 5, 2001; April 29, 2002 - Reissue Application filed Ex. Gp.: 2614; Re. S.N. 10/133,364June 11, 2002; April 29, 2002 - Reissue Application filed Ex. Gp.: 2614; Re. S.N. 10/133,347July 2, 2002

APPL-NO: 08240521

FILED-DATE: May 10, 1994

LEXIS-NEXIS
Library: PATENT
File: CASES

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5,600,672 OR 5600672

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5,600,672 OR 5600672

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S3 1 PN=US 5600672
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3/39/1

DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat (c) 2002 EPO. All rts. reserv.

14464905

Basic Patent (No, Kind, Date): EP 506400 A2 19920930 <No. of Patents: 439> Patent Family:

| Patent No | Kind | Date | Applic No Kind | Date | |
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| AT 214214 | E | 20020315 | EP 2000114692 | Α | 19930326 |
| AT 214215 | E | 20020315 | EP 2000114699 | Α | 19930326 |
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    Author (Inventor): OSHIMA MITSUAKI (JP)
    Priority (No, Kind, Date): JP 92256070 A
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    Author (Inventor): OSHIMA MITSUAKI (JP)
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    Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
    Author (Inventor): OSHIMA MITSUAKI (JP)
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 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
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 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 9267934 A 19920326; JP 92256070 A
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 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 9267934 A
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 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
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 Priority (No, Kind, Date): JP 9267934 A
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 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
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 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 9267934 A 19920326; JP 92256070 A
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   Author (Inventor): OSHIMA MITSUAKI (JP)
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    Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
   Author (Inventor): OSHIMA MITSUAKI
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     H04B-007/204; H04B-007/216; H04B-007/17; H04L-001/00; H03M-013/00
    Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258
   Language of Document: English
CANADA (CA)
  Patent (No, Kind, Date): CA 2092495 AA 19930927
   COMMUNICATION SYSTEM (English; French)
    Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
    Author (Inventor): OSHIMA MITSUAKI (JP)
                                                19920326; JP 92256070 A
    Priority (No, Kind, Date): JP 9267934 A
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    Applic (No, Kind, Date): CA 2092495 A
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    IPC: * H04B-007/24; H04N-005/76; H04N-009/80
    Language of Document: English
  Patent (No, Kind, Date): CA 2106919 AA 19940326
    COMMUNICATION SYSTEM (English; French)
    Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
    Author (Inventor): OSHIMA MITSUAKI (JP)
   Priority (No, Kind, Date): JP 92256070 A 19930325; JP 93132984 A 19930510
                                                19920925; JP 9366461 A
    Applic (No, Kind, Date): CA 2106919 A 19930924
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    Derwent WPI Acc No: * G 93-305235
    Language of Document: English
  Patent (No, Kind, Date): CA 2113842 AA 19940722
    RECORDING AND REPRODUCING APPARATUS (English; French)
    Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
    Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO
      TOSHIKAZU (JP); YOSHIURA TSUKASA
                                             (JP); MATSUURA TAKUMI (JP);
      TANAKA MITIRO (JP); TAN SATOSHI (JP)
    Priority (No, Kind, Date): JP 938596 A
                                                19930121; JP 9392219 A
      19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
      93297504 A
                  19931102; JP 93314114 A 19931119
    Applic (No, Kind, Date): CA 2113842 A 19940119
    IPC: * G11B-007/24; G11B-007/125; G11B-005/10
    Derwent WPI Acc No: * G 93-313529
Language of Document: English
  Patent (No, Kind, Date): CA 2113877 AA 19940722
    INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME
      (English; French)
    Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
    Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI
                                                                      (JP);
      USHIGOME HISASHI (JP)
       ority (No, Kind, Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
    Priority (No, Kind, Date):
      93297504 A 19931102; JP 93314114 A 19931119
    Applic (No, Kind, Date): CA 2113877 A 19940120
    IPC: * G11B-007/24; G11B-007/26
    Derwent WPI Acc No: * G 93-313529
    Language of Document: English
  Patent (No, Kind, Date): CA 2119983 AA 19940926
    COMMUNICATION SYSTEM (English; French)
    Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
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19920925

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Author (Inventor): OSHIMA MITSUAKI (JP)
    Priority (No, Kind, Date): JP 9366461 A 19930325; JP 9313298
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                                                19930325; JP 93132984 A
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    IPC: * H04N-007/12
    Derwent WPI Acc No: * G 94-103292
    Language of Document: English
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    INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME
      (English; French)
    Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
   Author (Inventor): USHIGOME HISASHI (JP); KOMODA HIDEAKI (JP);
      OSHIMA MITSUAKI (JP)
                                                   19940120; JP 938596 A
    Priority (No, Kind, Date): CA 2113877
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       19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP
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                                                  19931102; JP 93314114 A
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   Applic (No, Kind, Date): CA 2226398 A 19940120
    IPC: * G11B-007/00; G11B-007/28
    Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451
    Language of Document: English
TAIWAN (TW)
  Patent (No, Kind, Date): TW 462039 B
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    Patent Assignee: MATSUSHITA ELECTRONICS CORP (JP)
    Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)
    Priority (No, Kind, Date): JP 93205682 A 19930727; WO 94JP2304 W
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   Applic (No, Kind, Date): TW 86102384 A
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    IPC: * G11B-019/02
    Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G 95-246541; G 95-341616; G 96-062972; G 98-181451; G 01-018026
CHINA (CN)
  Patent (No, Kind, Date): CN 1066946 A
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    DIGITAL COMMUNICATION SYSTEM (English)
    Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
    Author (Inventor): MITSUAKI OSHIMA (JP)
    Priority (No, Kind, Date): JP 9162798 A
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    Applic (No, Kind, Date): CN 92102955 A
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    IPC: * H04B-001/00; H04N-007/13
    Derwent WPI Acc No: * G 92-325674
    Language of Document: Chinese
  Patent (No, Kind, Date): CN 1075024 A
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    Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
    Author (Inventor): OSHIMA MITSUAKI (JP)
    Priority (No, Kind, Date): JP 9213809 A
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    Applic (No, Kind, Date): CN 93100918 A
    IPC: * G11B-011/00
    Derwent WPI Acc No: * G 93-251292; G 93-313529
    Language of Document: Chinese
  Patent (No, Kind, Date): CN 1076816 A
    SYSTEM OF COMMUNICATION (English)
    Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
    Author (Inventor): TAISHIMA MITSUTERU (JP)
    Priority (No, Kind, Date): JP 9267934 A
                                                  19920326; JP 92246070 A
      19920925
    Applic (No, Kind, Date): CN 93102721 A
    IPC: * H04B-007/00; H04N-007/12; H04N-011/00
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    Language of Document: Chinese
  Patent (No, Kind, Date): CN 1085680 A
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Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); TANAKA MICHIRO
                                                                (JP):
   SHIMIZU RYOSUKE (JP)
 Priority (No, Kind, Date): JP 938596
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                                             19930121; JP 9268031 A
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 Applic (No, Kind, Date): CN 93105219 A
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 IPC: * G11B-013/04
 Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G 94-242360; G 95-341616; G 96-062972; G 98-181451
 JAPIO Reference No: * 180121P000165; 180264P000063; 180522P000136;
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 Language of Document: Chinese
Patent (No, Kind, Date): CN 1096389 A
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 RECORDING AND REPRODUCING APPTS. (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO
   TOSHIKAZU (JP)
                                             19930121; JP 93314114 A
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 Priority (No, Kind, Date):
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 Applic (No, Kind, Date): CN 94101055 A
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 IPC: * G11B-011/12
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
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 Language of Document: Chinese
Patent (No, Kind, Date): CN 1098810 A
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 APPARATUS FOR REGENERATION OF RECORDING AND RECORDING MEDIUM AND
   MANUFACTURE OF SAME (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI
                                         (JP); KOMODA HIDEAKI
                                                                  (JP):
   USHIGOME HISASHI (JP)
 Priority (No, Kind, Date): JP 938596
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 IPC: * G11B-007/24; G11B-011/12
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   94-250560; G 95-116722
 Language of Document: Chinese
Patent (No, Kind, Date): CN 1099544 A 19950301
 COMMUNICATION SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 9366461 A
                                             19930325; JP 93261612 A
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 Applic (No, Kind, Date): CN 94103352 A
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 IPC: * HO4N-007/08; HO4L-027/32
 Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258
 Language of Document: Chinese
Patent (No, Kind, Date): CN 1119895 A 19960403
 OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK,
   REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL
   DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD
   (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
                                                  (JP)
 Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI
                                                        (JP)
 Priority (No, Kind, Date): JP 93335165 A 19931228; JP 94299508 A
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 Applic (No, Kind, Date): CN 94191566 A
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 Derwent WPI Acc No: * G 95-246541
 Language of Document: Chinese
Patent (No, Kind, Date): CN 1127049 A
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 METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL
   INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO
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 Priority (No, Kind, Date): JP 94104879 A 19940418; JP 94283415 A
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Applic (No, Kind, Date): CN 95190313 A 19950418
 IPC: * G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06
   ; G11B-007/09
 Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G
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 Language of Document: Chinese
Patent (No, Kind, Date): CN 1138915 A
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 MARKING GENERATING APPTS., METHOD OF FORMING LASER MARKING ON OPTICAL
   DISK, REPRODUCING APPTS., OPTICAL DISK AND OPTICAL DISK PRODUCING
   METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC INDUTRIAL (JP)
 Author (Inventor): MITSUAKI OSHIMA (JP); YOSHIHO GOTOH (JP)
 Priority (No, Kind, Date): JP 94283415 A 19941117; JP 9516153 A
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 Applic (No, Kind, Date): CN 95191218 A
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 IPC: * G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12
 Derwent WPI Acc No: * G 95-373939; G 96-268785
 Language of Document: Chinese
Patent (No, Kind, Date): CN 1166223 A
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 OPTICAL DISK, OPTICAL RECORDER, OPTICAL PRODUCING DEVICE, ENCRYPTED
   COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): MITSUAKI OSHIMA (JP); YOSHIO GOTOH (JP); SHINICHI
   TANAKA (JP)
                           JP 96211304 A 19960809; JP 95261247 A
 Priority (No, Kind, Date):
   19951009; JP 968910 A
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 Applic (No, Kind, Date): CN 96191182 A
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 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Chinese
Patent (No, Kind, Date): CN 1173942 A
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 OPTICAL DISK, OPTICAL REOCORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED
   COMMUNICATION SYSTEM, AND AUTHORZING SYSTEM FOR USE OF PROGRAM
   (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor):
                      MITSUAKI OSHIMA
                                        (JP); YOSHIHHO GOTOH
                                                                  (JP);
   SHINICHI TANAKA (JP)
 Priority (No, Kind, Date): JP 95261247
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                                               19951009; JP 968910 A
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 Applic (No, Kind, Date): CN 96191826 A
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 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Chinese
Patent (No, Kind, Date): CN 1250278 A
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 TELECOMMUNICATION SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): MITSUTERU DAIJIMA (JP)
 Priority (No, Kind, Date): JP 9366461 A
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   19930510; JP 93261612 A
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 Applic (No, Kind, Date): CN 99108470 A
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 IPC: * H04J-001/00; H04L-027/00; H04N-011/24
 Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258
 Language of Document: Chinese
Patent (No, Kind, Date): CN 1305310 A
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 COMMUNICATION SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): MITSUAKI OTORI (JP)
 Priority (No, Kind, Date): JP 9366461 A
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   19930510; JP 93261612 A 19930924
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 Applic (No, Kind, Date): CN 2000133827 A
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 Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258; G
    00-589072; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G
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 Language of Document: Chinese
Patent (No, Kind, Date): CN 1305311 A
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 COMMUNICATION SYSTEM (English)
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Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): MITSUAKI OTORI (JP)
 Priority (No, Kind, Date): JP 9366461 A
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   19930510; JP 93261612 A 19930924
 Applic (No, Kind, Date): CN 2000133828 A
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 IPC: * H04N-007/08; H04L-027/32
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 Language of Document: Chinese
Patent (No, Kind, Date): CN 1305312 A
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 COMMUNICATION SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): MITUAKI OTORI (JP)
 Priority (No, Kind, Date): JP 9366461 A
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   19930510; JP 93261612 A 19930924
 Applic (No, Kind, Date): CN 2000133829 A
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 IPC: * H04N-007/08; H04L-027/32
 Derwent WPI Acc No: * G 94~103292; G 94-311606; G 94-342258; G
    00-589072; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G
     01-063440; G 01-063441
 Language of Document: Chinese
Patent (No, Kind, Date): CN 1305313 A
 COMMUNICATION SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): MITUAKI OTORI (JP)
 Priority (No, Kind, Date): JP 9366461 A
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   19930510; JP 93261612 A 19930924
 Applic (No, Kind, Date): CN 2000133830 A
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 IPC: * H04N-007/08; H04L-027/32
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 Language of Document: Chinese
Patent (No, Kind, Date): CN 1342979 A
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 RECORDING DEVICE, RECORDING MEDIUM AND REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): MATSUAKI OSHIMA (JP); YOSHIMINORU GOTO (JP)
 Priority (No, Kind, Date):
                            JP 94104879 A 19940418; JP 94283415 A
    19941117; JP 94327963' A
                                19941228; JP 9515318 A
                                                         19950201; JP
               19950203
 Applic (No, Kind, Date): CN 2001123049 A
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 IPC: * G11B-020/10; G11B-019/02; G11B-013/04
 Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G
   96-268785; G 01-018026
 Language of Document: Chinese
Patent (No, Kind, Date): CN 1032099 B
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 SYSTEM OF COMMUNICATION (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): TAISHIMA MITSUTERU (JP)
 Priority (No, Kind, Date): JP 9267934 A
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 Applic (No, Kind, Date): CN 93102721 A
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 IPC: * H04B-007/00; H04N-007/12; H04N-011/00
 Derwent WPI Acc No: * G 93-305235; G 94-103292
 JAPIO Reference No: * 180486E000144
 Language of Document: Chinese
Patent (No, Kind, Date): CN 1036952 B
                                      19980107
 RECORD REPLAYING APPARATUS (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
                      MITSUAKI OSHIMA
                                        (JP); MICHIRO TANAKA
 Author (Inventor):
   RYOSUKE SHIMIZU (JP)
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 Priority (No, Kind, Date): JP 938596
                                              19930121; JP 9268031 A
    19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP
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 Applic (No, Kind, Date): CN 93105219 A
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  IPC: * G11B-013/04
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     180618P000070
   Language of Document: Chinese
  Patent (No, Kind, Date): CN 1045036 B 19990908
   TRANSMISSION APPARATUS (English)
   Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
   Author (Inventor): MITSUAKI OSHIMA (JP)
   Priority (No, Kind, Date): JP 9162798 A
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     19910723; JP 91155650 A 19910529; JP 9195813 A 19910425
   Applic (No, Kind, Date): CN 92102955 A
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   IPC: * H04B-001/00; H04N-007/13
   Derwent WPI Acc No: * G 92-325674; G 97-195354
   JAPIO Reference No: * 180152E000002
   Language of Document: Chinese
GERMANY (DE)
 Patent (No, Kind, Date): DE 69223541 CO 19980129
   SIGNALUEBERTRAGUNGSSYSTEM (German)
   Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
   Author (Inventor): OSHIMA MITSUAKI (JP)
   Priority (No, Kind, Date): JP 9162798 A 19910327; JP 9195813 A
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   Applic (No, Kind, Date): DE 69223541 A 19920326
   IPC: * H04N-007/24; H04N-007/04; H04N-007/12; H04N-007/08; H04L-027/34
   Derwent WPI Acc No: * G 92-325674; G 97-195354
   JAPIO Reference No: * 180152E000002
   Language of Document: German
  Patent (No, Kind, Date): DE 69232523 CO 20020502
   SIGNALUEBERTRAGUNGSSYSTEM (German)
   Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
   Author (Inventor): OSHIMA MITSUAKI (JP)
   Priority (No, Kind, Date): JP 9162798 A
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   Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
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   Language of Document: German
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   SIGNALUEBERTRAGUNGSSYSTEM (German)
   Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
   Author (Inventor): OSHIMA MITSUAKI (JP)
   Priority (No, Kind, Date): JP 9162798 A 19910327; JP 9195813 A
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   Language of Document: German
  Patent (No, Kind, Date): DE 69232527 CO 20020502
   SIGNALUEBERTRAGUNGSSYSTEM (German)
   Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
   Author (Inventor): OSHIMA MITSUAKI (JP)
                                            19910327; JP 9195813 A
   Priority (No, Kind, Date): JP 9162798 A
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    Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
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00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
   00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: German
Patent (No, Kind, Date): DE 69232529 CO 20020502
 SIGNALUEBERTRAGUNGSSYSTEM (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 9162798 A 19910327; JP 9195813 A
   19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP
   9260739 A
                19920317
 Applic (No, Kind, Date): DE 69232529 A
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 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
   00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
   00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: German
Patent (No, Kind, Date): DE 69232530 CO 20020502
 SIGNALUEBERTRAGUNGSSYSTEM (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 9162798 A 19910327; JP 9195813 A
   19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP
   9260739 A
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 Applic (No, Kind, Date): DE 69232530 A
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 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
   00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
   00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: German
Patent (No, Kind, Date): DE 69330665 CO 20011004
 MEHRFACHAUFLOESUNGSUEBERTRAGUNGSSYSTEM (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 92256070 A
                                           19920925; JP 9366461 A
   19930325; JP 93132984 A 19930510
 Applic (No, Kind, Date): DE 69330665 A
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 IPC: * H04L-001/00; H04L-027/18
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
   94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
   00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G
   00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G
   01-063439; G 01-063440; G 01-063441
 JAPIO Reference No: * 180486E000144
 Language of Document: German
Patent (No, Kind, Date): DE 69331667 CO 20020411
 UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN BEI VERWENDUNG VON
   MEHRTRAEGERSIGNALEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 9267934 A
                                          19920326; JP 92256070 A
   19920925
 Applic (No, Kind, Date): DE 69331667 A 19930326
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
   00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
   00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G
   00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G
   01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: German
Patent (No, Kind, Date): DE 69331668 CO 20020411
 UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN SOWIE FEHLERKORRIGIERENDE
   KODIERUNG BEI MEHRTRAEGERMODULATION (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
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Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 9267934 A
                                          19920326; JP 92256070 A
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 Applic (No, Kind, Date): DE 69331668 A 19930326
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
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   00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G
   00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G
   01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
Language of Document: German
Patent (No, Kind, Date): DE 69331669 CO 20020411
 UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN, INSBESEONDERE MIT
   MEHRTAEGERSIGNALEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
                                           19920326; JP 92256070 A
 Priority (No, Kind, Date): JP 9267934 A
   19920925
 Applic (No, Kind, Date): DE 69331669 A 19930326
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
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   00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G
   00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G
   01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: German
Patent (No, Kind, Date): DE 69331670 CO 20020411
 UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN UND FEHLERKORRIEGIERENDE
   KODIERUNG MIT MEHRTRAEGERSIGNALEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 9267934 A
                                          19920326; JP 92256070 A
   19920925
 Applic (No, Kind, Date): DE 69331670 A 19930326
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
   00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
   00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G
   00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G
   01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
Language of Document: German
Patent (No, Kind, Date): DE 69331671 CO 20020411
 UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN BEI MEHRTRAEGERSIGNALEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 9267934 A
                                          19920326; JP 92256070 A
   19920925
 Applic (No, Kind, Date): DE 69331671 A
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        H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
   00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
   00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G
   00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G
   01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: German
Patent (No, Kind, Date): DE 69331853 CO 20020529
 UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN SOWIE FEHLERKORRIGIERENDE
   KODIERUNG, BEI MEHRTRAEGERSIGNALEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
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Priority (No, Kind, Date): JP 9267934 A 19920326; JP 92256070 A
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 Applic (No, Kind, Date): DE 69331853 A
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 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
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   00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G
   00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G
   01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
Language of Document: German
Patent (No, Kind, Date): DE 69331854 CO 20020529
 UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN SOWIE FEHLERKORRIGIERENDE
   KODIERUNG, BEI MEHRTRAEGERSIGNALEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 9267934 A
                                         19920326; JP 92256070 A
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 Applic (No, Kind, Date): DE 69331854 A
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 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
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   00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G
   01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: German
Patent (No, Kind, Date): DE 69331855 CO 20020529
 UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN, INSBESONDERE MIT
   MEHRTRAEGERSIGNALEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
                                          19920326; JP 92256070 A
 Priority (No, Kind, Date): JP 9267934 A
   19920925
 Applic (No, Kind, Date): DE 69331855 A
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 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
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   00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G
   01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: German
Patent (No, Kind, Date): DE 69331856 CO 20020529
 UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN SOWIE FEHLERKORRIGIERENDE
   KODIERUNG, BEI MEHRTRAEGERMODULATION (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
                                                  (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 9267934 A
                                          19920326; JP 92256070 A
   19920925
                                        19930326
 Applic (No, Kind, Date): DE 69331856 A
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
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   00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G
   01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: German
Patent (No, Kind, Date): DE 69331857 CO 20020529
 UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN, INSBESONDERE BEI
   MEHRTRAEGERSIGNALEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
                                           19920326; JP 92256070 A
 Priority (No, Kind, Date): JP 9267934 A
   19920925
 Applic (No, Kind, Date): DE 69331857 A
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 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
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   00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G
   00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G
   01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: German
Patent (No, Kind, Date): DE 69331858 CO 20020529
 UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN BEI MEHRTRAEGERSIGNALEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 9267934 A
                                         19920326; JP 92256070 A
   19920925
 Applic (No, Kind, Date): DE 69331858 A
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 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
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   00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G
   00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G
   01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: German
Patent (No, Kind, Date): DE 69331859 CO 20020529
 UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN SOWIE FEHLERKORRIGIERENDE
   KODIERUNG, BEI MEHRTRAEGERSIGNALEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 9267934 A 19920326; JP 92256070 A
   19920925
 Applic (No, Kind, Date): DE 69331859 A 19930326
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
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   00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G
   00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G
   01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: German
Patent (No, Kind, Date): DE 69331860 CO 20020529
 UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN BEI MEHRTRAEGERSIGNALEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 9267934 A
                                          19920326; JP 92256070 A
   19920925
 Applic (No, Kind, Date): DE 69331860 A
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 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
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   00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G
   01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: German
Patent (No, Kind, Date): DE 69426795 CO 20010412
 AUFZEICHNUNGS- UND WIEDERGABEGERAET (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 93205682 A 19930727; JP 94104879 A
   19940418; JP 94156089 A
                            19940707; JP 93297504 A
               19931119
   93314114 A
 Applic (No, Kind, Date): DE 69426795 A
                                        19940727
 IPC: * G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00
   ; G11B-023/28
 Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G
   95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G
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 Language of Document: German
Patent (No, Kind, Date): DE 69523139 CO 20011115
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GERAET ZUR ERZEUGUNG EINER MARKIERUNG, VERFAHREN ZUR ERZEUGUNG EINER
   LASERMARKIERUNG AUF EINER OPTISCHEN PLATTE, OPTISCHE PLATTE UND
   VERFAHREN ZU DEREN HERSTELLUNG (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
 Priority (No, Kind, Date): JP 94283415 A 19941117; JP 9516153 A
   19950202; JP 95261247 A
                             19951009; WO 95JP2339 W
                                                        19951116
 Applic (No, Kind, Date): DE 69523139 A 19951116
 IPC: * G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06
   ; G11B-007/09; G11B-020/00; G06F-001/00
 Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G
   97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69610859 CO 20001207
 OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI
                                                         (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): JP 95261247 A
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 Applic (No, Kind, Date): DE 69610859 A 19960515
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69610860 CO 20001207
 OPTISCHE SCHEIBE DIE INFORMATION IN DER FORM EINES STRICHKODES TRAEGT
   (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): JP 95261247 A 19951009; JP 968910 A
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 Applic (No, Kind, Date): DE 69610860 A 19960515
        G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69610861 CO 20001207
 OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI
                                                         (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): JP 95261247 A
                                          19951009; JP 968910 A
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 Applic (No, Kind, Date): DE 69610861 A
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        G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69611906 CO 20010405
 OPTISCHE PLATTE MIT STRICHKODE (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
             (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): JP 95261247 A 19951009; JP 968910 A
   19960123; WO 96JP1303 W
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 Applic (No, Kind, Date): DE 69611906 A
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 IPC: * G11B-007/007; G11B-007/24; G06K-019/00; G11B-020/10;
   G11B-020/00; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69613010 CO 20010628
 OPTISCHES AUFZEICHNUNGSGERAET (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI (JP)
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Priority (No, Kind, Date): JP 95261247 A 19951009; JP 968910 A
   19960123; JP 96211304 A 19960809
 Applic (No, Kind, Date): DE 69613010 A
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        G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
 IPC: *
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69613011 CO 20010628
 OPTISCHES AUFZEICHNUNGSGERAET (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI
             (JP)
 Priority (No, Kind, Date): JP 95261247 A
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   19960123; JP 96211304 A 19960809
 Applic (No, Kind, Date): DE 69613011 A 19961008
         G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69613156 CO 20010705
 OPTISCHES WIEDERGABEGERAET ZUR WIEDERGABE VERSCHLUESSELTER
   INFORMATIONEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
             (JP)
 Priority (No, Kind, Date): JP 95261247 A
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   19960123; JP 96211304 A
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 Applic (No, Kind, Date): DE 69613156 A 19961008
        G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69614580 CO 20010920
 WIEDERGABEGERAET FUER OPTISCHE PLATTEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
                                                         (JP); TANAKA
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI
   SHINICHI
            (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): JP 95261247 A
                                          19951009; JP 968910 A
   19960123
                                         19960515
 Applic (No, Kind, Date): DE 69614580 A
         G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69614823 CO 20011004
 AUFZEICHNUNGSGERAET FUER OPTISCHE PLATTEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI
              (JP)
 Priority (No, Kind, Date): JP 95261247 A
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   19960123; JP 96211304 A 19960809; WO 96JP2924 W
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 Applic (No, Kind, Date): DE 69614823 A 19961008
 IPC: *
         G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69615418 CO 20011025
 OPTISCHE PLATTE UND OPTISCHES WIEDERGABEGERAET (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
            (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): JP 95261247 A
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   19960123
 Applic (No, Kind, Date): DE 69615418 A
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 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
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; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69617478 CO 20020110
 OPTISCHE PLATTE UND GERAET ZUR WIEDERGABE OPTISCHER PLATTEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
                                                         (JP); TANAKA
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): JP 95261247 A 19951009; JP 968910 A
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 Applic (No, Kind, Date): DE 69617478 A
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 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69618633 CO 20020221
 OPTISCHE PLATTE UND GERAET ZUR WIEDERGABE OPTISCHER PLATTEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
                                                         (JP); TANAKA
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): JP 95261247 A 19951009; JP 968910 A
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 Applic (No, Kind, Date): DE 69618633 A
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 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69618672 CO 20020228
 OPTISCHE PLATTE ZUR ANWENDUNG IN EINEM VERSCHLUESSEL- ODER
   PROGRAMMLIZENZSYSTEM (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI
             (JP)
 Priority (No, Kind, Date): JP 95261247 A
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   19960123; JP 96211304 A 19960809
 Applic (No, Kind, Date): DE 69618672 A
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 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69620919 CO 20020529
 OPTISCHES AUFZEICHNUNGSGERAET UND AUFZEICHNUNGSVERFAHREN MIT
   VERSCHLUESSELUNG (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI
             (JP)
 Priority (No, Kind, Date): JP 95261247 A
                                           19951009; JP 968910 A
   19960123; JP 96211304 A 19960809
 Applic (No, Kind, Date): DE 69620919 A
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 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69621053 CO 20020606
 OPTISCHE PLATTE ZUR ANWENDUNG IN EINEM VERSCHLUESSEL- ODER
   PROGRAMMLIZENZSYSTEM (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI
             (JP)
 Priority (No, Kind, Date): JP 95261247 A
                                          19951009; JP 968910 A
   19960123; JP 96211304 A 19960809
 Applic (No, Kind, Date): DE 69621053 A
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 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
  Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
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Language of Document: German
Patent (No, Kind, Date): DE 69621357 CO 20020627
 OPTISCHES WIEDERGABEGERAET ZUR WIEDERGABE VERSCHLUESSELTER
   INFORMATIONEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI
             (JP)
 Priority (No, Kind, Date): JP 95261247 A
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 Applic (No, Kind, Date): DE 69621357 A
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 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69223541 T2 19980409
 SIGNALUEBERTRAGUNGSSYSTEM (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 9162798 A 19910327; JP 9195813 A
   19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP
   9260739 A
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 Applic (No, Kind, Date): DE 69223541 A
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 IPC: * H04N-007/24; H04N-007/04; H04N-007/12; H04N-007/08; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354
 JAPIO Reference No: * 180152E000002
 Language of Document: German
Patent (No, Kind, Date): DE 69426795 T2 20011108
 AUFZEICHNUNGS- UND WIEDERGABEGERAET (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 93205682 A 19930727; JP 94104879 A
   19940418; JP 94156089 A 19940707; JP 93297504 A
                                                       19931102; JP
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   93314114 A
 Applic (No, Kind, Date): DE 69426795 A
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        G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00
 IPC: *
   ; G11B-023/28
 Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G
   95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G
   01-018026
 Language of Document: German
Patent (No, Kind, Date): DE 69523139 T2 20020131
 GERAET ZUR ERZEUGUNG EINER MARKIERUNG, VERFAHREN ZUR ERZEUGUNG EINER
   LASERMARKIERUNG AUF EINER OPTISCHEN PLATTE, OPTISCHE PLATTE UND
   VERFAHREN ZU DEREN HERSTELLUNG (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO
                                                          (JP)
 Priority (No, Kind, Date): JP 94283415 A 19941117; JP 9516153 A
   19950202; JP 95261247 A 19951009; WO 95JP2339 W
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 Applic (No, Kind, Date): DE 69523139 A 19951116
        G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06
   ; G11B-007/09; G11B-020/00; G06F-001/00
 Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G
   97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69610859 T2 20010315
 OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI
                                                         (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): JP 95261247 A 19951009; JP 968910 A
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 Applic (No, Kind, Date): DE 69610859 A
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 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69610860 T2 20010315
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OPTISCHE SCHEIBE DIE INFORMATION IN DER FORM EINES STRICHKODES TRAEGT
    (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): JP 95261247 A 19951009; JP 968910 A
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 Applic (No, Kind, Date): DE 69610860 A 19960515
        G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69610861 T2 20010315
 OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI
                                                         (JP); TANAKA
            (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): JP 95261247 A 19951009; JP 968910 A
   19960123
 Applic (No, Kind, Date): DE 69610861 A
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        G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
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 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69611906 T2 20010621
 OPTISCHE PLATTE MIT STRICHKODE (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
            (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): JP 95261247 A 19951009; JP 968910 A
   19960123; WO 96JP1303 W
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 Applic (No, Kind, Date): DE 69611906 A 19960515
 IPC: * G11B-007/007; G11B-007/24; G06K-019/00; G11B-020/10;
   G11B-020/00; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69613010 T2 20011115
 OPTISCHES AUFZEICHNUNGSGERAET (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI
             (JP)
 Priority (No, Kind, Date): JP 95261247 A
                                           19951009; JP 968910 A
   19960123; JP 96211304 A 19960809
 Applic (No, Kind, Date): DE 69613010 A
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 IPC: *
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69613011 T2 20011115
 OPTISCHES AUFZEICHNUNGSGERAET (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI
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 Priority (No, Kind, Date): JP 95261247 A
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   19960123; JP 96211304 A
 Applic (No, Kind, Date): DE 69613011 A 19961008
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   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69613156 T2 20011025
 OPTISCHES WIEDERGABEGERAET ZUR WIEDERGABE VERSCHLUESSELTER
   INFORMATIONEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
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YOSHINARI
             (JP)
 Priority (No, Kind, Date): JP 95261247 A 19951009; JP 968910 A
   19960123; JP 96211304 A 19960809
 Applic (No, Kind, Date): DE 69613156 A 19961008
 IPC: *
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   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69614580 T2 20020411
 WIEDERGABEGERAET FUER OPTISCHE PLATTEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): JP 95261247 A 19951009; JP 968910 A
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 Applic (No, Kind, Date): DE 69614580 A 19960515
         G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69614823 T2 20020411
 AUFZEICHNUNGSGERAET FUER OPTISCHE PLATTEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI
             (JP)
 Priority (No, Kind, Date): JP 95261247 A
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   19960123; JP 96211304 A 19960809; WO 96JP2924 W
 Applic (No, Kind, Date): DE 69614823 A 19961008
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
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 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69615418 T2 20020606
 OPTISCHE PLATTE UND OPTISCHES WIEDERGABEGERAET (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
                                                         (JP); TANAKA
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): JP 95261247 A
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 Applic (No, Kind, Date): DE 69615418 A
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 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
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 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69617478 T2 20020508
 OPTISCHE PLATTE UND GERAET ZUR WIEDERGABE OPTISCHER PLATTEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI
                                                         (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): JP 95261247 A 19951009; JP 968910 A
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 Applic (No, Kind, Date): DE 69617478 A
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 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
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 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
Patent (No, Kind, Date): DE 69618633 T2 20020508
 OPTISCHE PLATTE UND GERAET ZUR WIEDERGABE OPTISCHER PLATTEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI
                                                         (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): JP 95261247 A
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 Applic (No, Kind, Date): DE 69618633 A
                                          19960515
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
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Language of Document: German

| ьаг | iguage or | Document | .: German | | | | |
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| GERMANY | (DE) | | | | | | |
| Legal | | | Date, Code 19980129 | | | CORRESPONDS TO (ENTSPRICHT) | |
| DE | 69223541 | Р | 19980409 DOC HAS | CUMENT OF | B F EU JBLI | | |
| DE | 69223541 | P | 19990121 OPE | DE 8364 POSITION | ! (E | ND VEROEFFENTLICHT WORDEN) NO OPPOSITION DURING TERM OF EINSPRUCHSFRIST ABGELAUFEN OHNE H ERHOBEN WURDE) | • |
| DE | 69232523 | Р | 20020502 | DE REF | | CORRESPONDS TO (ENTSPRICHT) | |
| DE | 69232526 | Р | EP 20020502 | 766478 DE REF | P | 20020502 CORRESPONDS TO (ENTSPRICHT) | |
| DE | 69232527 | Р | EP 20020502 | 975168 DE REF | P | 20020502 CORRESPONDS TO (ENTSPRICHT) | |
| DE | 69232529 | Р | EP 20020502 | 975171 DE REF | P | 20020502 CORRESPONDS TO (ENTSPRICHT) | |
| DE | 69232530 | P | EP 20020502 | 975172 DE REF | P | 20020502 CORRESPONDS TO (ENTSPRICHT) | |
| DE | 69330665 | P | 20011004 | 975173 DE REF 589709 | | 20020502 CORRESPONDS TO (ENTSPRICHT) 20011004 | |
| DE | 69330665 | P | 20020328 | DE 8332 | | | |
| DE | 69331667 | Р | (W) 20020411 | | JER | DE NICHT EINGETRETEN) CORRESPONDS TO (ENTSPRICHT) | |
| DE | 69331668 | P | EP 20020411 | 1039675 DE REF | P | 20020411 CORRESPONDS TO (ENTSPRICHT) | |
| DE | 69331669 | Р | EP 20020411 | 1039680 DE REF | P | 20020411 CORRESPONDS TO (ENTSPRICHT) | |
| DE | 69331670 | P | EP 20020411 | 1039682 DE REF | P | 20020411 CORRESPONDS TO (ENTSPRICHT) | |
| DE | 69331671 | Р | EP 20020411 | 1045541 DE REF | P | 20020411 CORRESPONDS TO (ENTSPRICHT) | |
| DE | 69331853 | P | EP 20020529 | 1049284 DE REF | P | 20020411 CORRESPONDS TO (ENTSPRICHT) | |
| DĒ | 69331854 | P | EP 20020529 | 1039673 DE REF | P | 20020529 CORRESPONDS TO (ENTSPRICHT) | |
| DE | 69331855 | Р | EP 20020529 | 1039674 DE REF | P | 20020529 CORRESPONDS TO (ENTSPRICHT) | |
| DE | 69331856 | P | EP 20020529 | 1039676 DE REF | P | 20020529 CORRESPONDS TO (ENTSPRICHT) | ı |
| DE | 69331857 | Р | EP 20020529 | 1039677 DE REF | P | 20020529 CORRESPONDS TO (ENTSPRICHT) | ı |
| DE | 69331858 | P | EP 20020529 | 1039678 DE REF | P | 20020529 CORRESPONDS TO (ENTSPRICHT) | ı |
| DE | 69331859 | Р | EP 20020529 | 1039679 DE REF | P | 20020529 CORRESPONDS TO (ENTSPRICHT) |) |

| DE 69331860 | P | | 1039681 P 20020529 DE REF CORRESPONDS TO (ENTSPRICHT) |
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| 55 05331000 | • | | 1049283 P 20020529 |
| DE 69426795 | P | 20010412 EP | DE REF CORRESPONDS TO (ENTSPRICHT) 637016 P 20010412 |
| DE 69426795 | Р | DOC HAS PA | DE 8373 TRANSLATION OF PATENT CUMENT OF EUROPEAN PATENT WAS RECEIVED AND S BEEN PUBLISHED (UEBERSETZUNG DER TENTSCHRIFT DES EUROPAEISCHEN PATENTES IST |
| DE 69426795 | P | 20020404 OPI | NGEGANGEN UND VEROEFFENTLICHT WORDEN) DE 8364 NO OPPOSITION DURING TERM OF POSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE SS EINSPRUCH ERHOBEN WURDE) |
| DE 69523139 | P | 20011115 | |
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| DE 69610859 | Р | | NGEGANGEN UND VEROEFFENTLICHT WORDEN) DE REF CORRESPONDS TO (ENTSPRICHT) |
| DE 69610859 | Р | 20010315 DOO HAS PAT | 1003162 P 20001207 DE 8373 TRANSLATION OF PATENT CUMENT OF EUROPEAN PATENT WAS RECEIVED AND S BEEN PUBLISHED (UEBERSETZUNG DER TENTSCHRIFT DES EUROPAEISCHEN PATENTES IST |
| DE 69610860 | P | | NGEGANGEN UND VEROEFFENTLICHT WORDEN) DE REF CORRESPONDS TO (ENTSPRICHT) |
| DE 69610860 | P | 20010315 DOO HAS PA | DE 8373 TRANSLATION OF PATENT CUMENT OF EUROPEAN PATENT WAS RECEIVED AND S BEEN PUBLISHED (UEBERSETZUNG DER TENTSCHRIFT DES EUROPAEISCHEN PATENTES IST NGEGANGEN UND VEROEFFENTLICHT WORDEN) |
| DE 69610861 | P | | • |
| DE 69610861 | Р | 20010315 DOO HAS PA | DE 8373 TRANSLATION OF PATENT CUMENT OF EUROPEAN PATENT WAS RECEIVED AND S BEEN PUBLISHED (UEBERSETZUNG DER TENTSCHRIFT DES EUROPAEISCHEN PATENTES IST |
| DE 69611906 | Р | | NGEGANGEN UND VEROEFFENTLICHT WORDEN) DE REF CORRESPONDS TO (ENTSPRICHT) |
| DE 69611906 | Р | 20010621 DOO HAS PA | 2 807929 P 20010405 DE 8373 TRANSLATION OF PATENT CUMENT OF EUROPEAN PATENT WAS RECEIVED AND CS BEEN PUBLISHED (UEBERSETZUNG DER CTENTSCHRIFT DES EUROPAEISCHEN PATENTES IST |
| DE 69611906 | P | 20020328 OPI | NGEGANGEN UND VEROEFFENTLICHT WORDEN) DE 8364 NO OPPOSITION DURING TERM OF POSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE SS EINSPRUCH ERHOBEN WURDE) |
| DE 69613010 | P | | DE REF CORRESPONDS TO (ENTSPRICHT) |
| DE 69613010 | P | 20011115 DOC HAS | DE 1005026 P 20010628 DE 8373 TRANSLATION OF PATENT CUMENT OF EUROPEAN PATENT WAS RECEIVED AND US BEEN PUBLISHED (UEBERSETZUNG DER CTENTSCHRIFT DES EUROPAEISCHEN PATENTES IST |
| DE 69613010 | Р | EII 20020627 | NGEGANGEN UND VEROEFFENTLICHT WORDEN) DE 8364 NO OPPOSITION DURING TERM OF POSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE |

| DE 6961301 | 1 P | | | | ERHOBEN WURDE) CORRESPONDS | TO (ENTSPRICHT) |
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| DE 6961315 | 6 P | | | | | O (ENTSPRICHT) |
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| DE 6961482 | 3 P | EI | NGEGANGEN | UND | VEROEFFENTLIC | |
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| DE 6961541 | .8 P | | | | | TO (ENTSPRICHT) |
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| DE 6961747 | 8 P | EI | | UND | VEROEFFENTLIC | |
| DE 6961747 | 8 P | 20020508 DOO HA: PA' | S BEEN PUI TENTSCHRII | EURO BLISI FT DI | TRANSLATION (OPEAN PATENT WA HED (UEBERSET) ES EUROPAEISCH | AS RECEIVED AND ZUNG DER EN PATENTES IST |
| DE 6961863 | 3 P | | | UND | VEROEFFENTLICE CORRESPONDS | TO (ENTSPRICHT) |
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| DE 6961867 | 2 P | | | טאט | | TO (ENTSPRICHT) |
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                       20020627 DE REF
                            EP 1005023 P
                                            20020627
DENMARK (DK)
  Patent (No, Kind, Date): DK 1039675 T3 20020624
                                           FEJLKORREKTIONSKODNING
                                                                     MED
   MULTIOPLOESNINGSTRANSMISSION
                                    OG
     MULTIBAEREBOELGEMODULATION (Danish)
   Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
   Author (Inventor): OSHIMA MITSUAKI (JP)
   Priority (No, Kind, Date): DK 9393302369 L
                                              19930326; JP 9267934 A
     19920326; JP 92256070 A 19920925
   Applic (No, Kind, Date): DK 114692 A
                                         19930326
   IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
     ; H04N-007/24
   Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
      00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
        00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
        00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
    G 01-063441; G 02-050566
   JAPIO Reference No: * 180486E000144
   Language of Document: Danish
  Patent (No, Kind, Date): DK 1039680 T3 20020624
   MULTIOPLOESNINGSTRANSMISSION
                                           FEJLKORREKTIONSKODNING
                                                                     MED
                                    OG
     MULTIBAEREBOELGEMODULATION (Danish)
   Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
   Author (Inventor): OSHIMA MITSUAKI (JP)
                                              19930326; JP 9267934 A
   Priority (No, Kind, Date): DK 9393302369 L
     19920326; JP 92256070 A 19920925
   Applic (No, Kind, Date): DK 114699 A
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   IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
     ; H04N-007/24
   Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
      00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
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     G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
    G 01-063441; G 02-050566
   JAPIO Reference No: * 180486E000144
   Language of Document: Danish
  Patent (No, Kind, Date): DK 1039682 T3 20020624
   MULTIOPLOESNINGSTRANSMISSION
                                    OG
                                           FEJLKORREKTIONSKODNING
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     MULTIBAEREBOELGEMODULATION (Danish)
   Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
   Author (Inventor): OSHIMA MITSUAKI (JP)
   Priority (No, Kind, Date): DK 9393302369 L
                                                19930326; JP 9267934 A
     19920326; JP 92256070 A 19920925
   Applic (No, Kind, Date): DK 114702 A
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   IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
     ; H04N-007/24
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      00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
        00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
     G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
    G 01-063441; G 02-050566
   JAPIO Reference No: * 180486E000144
   Language of Document: Danish
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                                           FEJLKORREKTIONSKODNING
   MULTIOPLOESNINGSTRANSMISSION
     MULTIBAEREBOELGEMODULATION (Danish)
   Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
   Author (Inventor): OSHIMA MITSUAKI (JP)
   Priority (No, Kind, Date): DK 9393302369 L
                                              19930326; JP 9267934 A
     19920326; JP 92256070 A 19920925
   Applic (No, Kind, Date): DK 114700 A
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IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
     ; H04N-007/24
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     G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
    G 01-063441; G 02-050566
   JAPIO Reference No: * 180486E000144
   Language of Document: Danish
  Patent (No, Kind, Date): DK 1049284 T3 20020624
                                                                     MED
   MULTIOPLOESNINGSTRANSMISSION
                                   OG
                                          FEJLKORREKTIONSKODNING
     MULTIBAEREBOELGEMODULATION (Danish)
   Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
   Author (Inventor): OSHIMA MITSUAKI (JP)
                                              19930326; JP 9267934 A
   Priority (No, Kind, Date): DK 9393302369 L
     19920326; JP 92256070 A 19920925
   Applic (No, Kind, Date): DK 114695 A
                                         19930326
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     ; H04N-007/24
   Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
      00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
        00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
     G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
    G 01-063441; G 02-050566
   JAPIO Reference No: * 180486E000144
   Language of Document: Danish
EUROPEAN PATENT OFFICE (EP)
  Patent (No, Kind, Date): EP 562875 A1 19930929
   MULTIRESOLUTION QAM SYSTEM (English; French; German)
   Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
   Author (Inventor): OSHIMA MITSUAKI (JP)
                                               19920326; JP 92256070 A
   Priority (No, Kind, Date): JP 9267934 A
     19920925
   Applic (No, Kind, Date): EP 93302369 A
                                          19930326
   Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
     IT; LI; LU; MC; NL; PT; SE
   IPC: * H04L-027/34; H04N-007/13
   Derwent WPI Acc No: ; G 93-305235
   Language of Document: English
  Patent (No, Kind, Date): EP 617531 A1 19940928
   MULTIRESOLUTION TRANSMISSION SYSTEM. (English; French; German)
   Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
   Author (Inventor): OSHIMA MITSUAKI (JP)
   Priority (No, Kind, Date): JP 9366461 A
                                               19930325; JP 93132984 A
     19930510; JP 93261612 A
                              19930924
   Applic (No, Kind, Date): EP 94302149 A
                                          19940324
   Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
     IT; LI; LU; MC; NL; PT; SE
   IPC: * H04L-027/02; H04L-027/34; H04L-005/06; H04L-027/18; H04N-007/13
   Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258; G
      00-589072; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G
       01-063440; G 01-063441; G 94-311606
   Language of Document: English
  Patent (No, Kind, Date): EP 689200 Al 19951227
   OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK,
     REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINA L
     DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD
      (English; French; German)
   Patent Assignee: MATSUSHITA ELECTRONICS CORP (JP)
   Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI
                                                          (JP)
   Priority (No, Kind, Date): WO 94JP2304 W 19941228; JP 93335165 A
                              A 19940120; JP 94104879 A 19940418; JP
      19931228; JP 9422191
                 19940707; JP 94299508 A 19941202
     94156089 A
   Applic (No, Kind, Date): EP 95904033 A 19941228
   Designated States: (National) DE; FR; GB; IT
                                             G11B-013/04; G11B-007/00;
               G11B-007/007; G11B-020/12;
     G11B-007/26; G11B-019/06; G11B-020/14; G11B-020/10
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Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G
   01-018026
 Language of Document: English
Patent (No, Kind, Date): EP 706174 A1 19960410
 METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL
    INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English;
   French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO
 Priority (No, Kind, Date): WO 95JP760 W 19950418; JP 94104879 A
    19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP
   9515318 A
               19950201; JP 9516865 A
                                       19950203
 Applic (No, Kind, Date): EP 95915345 A
                                         19950418
 Designated States: (National) DE; FR; GB; NL
 IPC: * G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06
   ; G11B-007/09
                       * G 95-116722; G 95-246541; G 95-373939; G
 Derwent WPI Acc No:
   96-268785; G 01-018026
 Language of Document: English
Patent (No, Kind, Date): EP 741382 Al 19961106
 MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON
   OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK
   PRODUCING METHOD (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO
 Priority (No, Kind, Date): WO 95JP2339 W
                                           19951116; JP 94283415 A
                           19950202; JP 95261247 A
   19941117; JP 9516153 A
 Applic (No, Kind, Date): EP 95938017 A
                                        19951116
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12
 Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G
   97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 802527 Al 19971022
 OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED
   COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM
   (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
    SHINICHI
              (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI
                          WO 96JP2924 W
                                           19961008; JP 95261247 A
 Priority (No, Kind, Date):
                           19960123; JP 96211304 A
   19951009; JP 968910 A
                                                    19960809
 Applic (No, Kind, Date): EP 96932845 A
                                         19961008
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 807929 Al 19971119
 OPTICAL DISK, BAR CODE FORMATION METHOD FOR OPTICAL DISK, OPTICAL DISK
   REPRODUCTION APPARATUS, AND MARKING METHOD, LASER MARKING METHOD FOR
   OPTICAL DISK, AND METHOD OF OPTICAL DISK PRODUCTION (English; French;
  German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI
                                                         (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): WO 96JP1303 W
                                           19960515; JP 95261247 A
   19951009; JP 968910 A
                           19960123
 Applic (No, Kind, Date): EP 96915172 A
                                         19960515
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 971345 Al 20000112
                 METHOD
                          FOR RECORDING AND REPRODUCING WRITE-ONCE
           DISK,
   INFORMATION ON AND FROM OPTICAL DISK, OPTICAL DISK REPRODUCING
           OPTICAL DISK RECORDING AND REPRODUCING DEVICE, DEVICE FOR
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RECORDING WRITE-ONCE INFORMATION ON OPTICAL DISK, AND OPTICAL DISK

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RECORDING DEVICE (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
                      OSHIMA M (JP); KONISHI SHINICHI (JP); TANAKA
 Author (Inventor):
    SHIN-ICHI
               (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); GOTOH
              (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP);
    YOSHIHO
   MURAKAMI MOTOYOSHI (JP)
                           WO 97JP4664 W 19971217; JP 96339304 A
 Priority (No, Kind, Date):
   19961219; JP 979318 A 19970122; JP 97259110 A 19970924
 Applic (No, Kind, Date): EP 97949124 A 19971217
 Designated States: (National) DE; FR; GB; IT; NL
 IPC: * G11B-011/10; G11B-007/00; G06F-012/14
 Derwent WPI Acc No: * G 98-363034
 Language of Document: English
Patent (No, Kind, Date): EP 973335 Al 20000119
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 96119060 A3 19920326; EP 92302627 A3
    19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
                   19910529; JP 91182236 A 19910723; JP 9260739 A
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    91155650
   19920317
 Applic (No, Kind, Date): EP 99119278 A
                                       19920326
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731; G 00-108239
 JAPIO Reference No: * 180152E000002
 Language of Document: English
Patent (No, Kind, Date): EP 975168 Al 20000126
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 96119060 A3 19920326; EP 92302627 A3
    19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
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                   19910529; JP 91182236 A 19910723; JP 9260739 A
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   19920317
 Applic (No, Kind, Date): EP 99119266 A
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731; G 00-184726
 JAPIO Reference No: * 180152E000002
 Language of Document: English
Patent (No, Kind, Date): EP 975169 Al 20000126
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 96119060 A3 19920326; EP 92302627 A3
    19920326; JP 9162798 A
                                19910327; JP 9195813 A 19910425; JP
             Α
                   19910529; JP 91182236 A 19910723; JP 9260739 A
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 Applic (No, Kind, Date): EP 99121006 A 19920326
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731; G 00-184727
 JAPIO Reference No: * 180152E000002
 Language of Document: English
Patent (No, Kind, Date): EP 975170 A1 20000126
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
  Priority (No, Kind, Date): EP 96119060 A3 19920326; EP 92302627 A3
    19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A
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19920317
 Applic (No, Kind, Date): EP 99121007 A
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 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731; G 00-184728
 JAPIO Reference No: * 180152E000002
 Language of Document: English
Patent (No, Kind, Date): EP 975171 Al 20000126
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 96119060 A3 19920326; EP 92302627 A3
    19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
             A 19910529; JP 91182236 A 19910723; JP 9260739 A
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 Applic (No, Kind, Date): EP 99121008 A
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 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731; G 00-118426
 JAPIO Reference No: * 180152E000002
 Language of Document: English
Patent (No, Kind, Date): EP 975172 A1 20000126
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 96119060 A3 19920326; EP 92302627 A3
    19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
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                  19910529; JP 91182236 A 19910723; JP 9260739 A
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 Applic (No, Kind, Date): EP 99121024 A
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731; G 00-184729
 JAPIO Reference No: * 180152E000002
 Language of Document: English
Patent (No, Kind, Date): EP 975173 Al 20000126
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 96119060 A3 19920326; EP 92302627 A3
    19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
                  19910529; JP 91182236 A 19910723; JP 9260739 A
             Α
    91155650
   19920317
 Applic (No, Kind, Date): EP 99121025 A
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731; G 00-184730
 JAPIO Reference No: * 180152E000002
 Language of Document: English
Patent (No, Kind, Date): EP 975174 Al 20000126
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 96119060 A3 19920326; EP 92302627 A3
    19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
                  19910529; JP 91182236 A 19910723; JP 9260739 A
             Α
    91155650
   19920317
 Applic (No, Kind, Date): EP 99121026 A
                                        19920326
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
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Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731; G 00-184731
 JAPIO Reference No: * 180152E000002
Language of Document: English
Patent (No, Kind, Date): EP 1003162 Al 20000524
 AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;
   French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): EP 96915172 A3 19960515; JP 95261247 A
   19951009; JP 968910 A 19960123
 Applic (No, Kind, Date): EP 2000103257 A
                                           19960515
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1005023 A1 20000531
                                      THE REPRODUCTION OF ENCRYPTED
 OPTICAL
          REPRODUCING DEVICE
                                FOR
   INFORMATION (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
              (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
    SHINICHI
   YOSHINARI
              (JP)
 Priority (No, Kind, Date): EP 96932845 A3 19961008; JP 95261247 A
   19951009; JP 968910 A 19960123; JP 96211304 A 19960809
 Applic (No, Kind, Date): EP 2000102965 A
                                           19961008
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1005024 A1 20000531
                                      THE REPRODUCTION OF ENCRYPTED
          REPRODUCING DEVICE FOR
 OPTICAL
   INFORMATION (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
              (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
    SHINICHI
   YOSHINARI
              (JP)
 Priority (No, Kind, Date): EP 96932845 A3 19961008; JP 95261247 A
   19951009; JP 968910 A 19960123; JP 96211304 A
                                                      19960809
 Applic (No, Kind, Date): EP 2000102966 A
                                           19961008
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1005025 A1 20000531
 OPTICAL DISK FOR USE WITH AN ENCRYPTION OR PROGRAM LICENSE SYSTEM
    (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
    SHINICHI
              (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI
              (JP)
 Priority (No, Kind, Date): EP 96932845 A3 19961008; JP 95261247 A
   19951009; JP 968910 A 19960123; JP 96211304 A 19960809
 Applic (No, Kind, Date): EP 2000102967 A
                                          19961008
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1005026 Al 20000531
 OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND
   PROGRAM LICENSE SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
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Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
               (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
    SHINICHI
   YOSHINARI
              (JP)
                           EP 96932845 A3 19961008; JP 95261247 A
 Priority (No, Kind, Date):
                           19960123; JP 96211304 A
   19951009; JP 968910 A
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 Applic (No, Kind, Date): EP 2000102968 A
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 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1005027 A1 20000531
 OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND
   PROGRAM LICENSE SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
               (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
    SHINICHI
   YOSHINARI
              (JP)
 Priority (No, Kind, Date):
                           EP 96932845 A3 19961008; JP 95261247 A
                            19960123; JP 96211304 A
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   19951009; JP 968910 A
 Applic (No, Kind, Date): EP 2000102969 A
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 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1005028 A1 20000531
 OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION
   SYSTEM AND PROGRAM LICENSE SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
               (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
    SHINICHI
   YOSHINARI
                           EP 96932845 A3 19961008; JP 95261247 A
 Priority (No, Kind, Date):
                            19960123; JP 96211304 A
   19951009; JP 968910 A
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 Applic (No, Kind, Date): EP 2000102971 A
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 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1005033 Al 20000531
 AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;
   French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): EP 96915172 A3 19960515; JP 95261247 A
   19951009; JP 968910 A
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 Applic (No, Kind, Date): EP 2000101774 A
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 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1005034 Al 20000531
 AN OPTICAL DISK CARRYING BARCODED INFORMATION (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI
   SHINICHI
            (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): EP 96915172 A3 19960515; JP 95261247 A
   19951009; JP 968910 A
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 Applic (No, Kind, Date): EP 2000101775 A
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 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
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Patent (No, Kind, Date): EP 1005035 Al 20000531
 AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;
   French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date):
                           EP 96915172 A3 19960515; JP 95261247 A
   19951009; JP 968910 A
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 Applic (No, Kind, Date): EP 2000104818 A 19960515
 Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR;
   IE: IT: LI: LU: MC: NL: PT: SE
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1006516 A1 20000607
 AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;
   French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): EP 96915172 A3 19960515; JP 95261247 A
   19951009; JP 968910 A 19960123
 Applic (No, Kind, Date): EP 2000105014 A
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1006517 Al 20000607
 AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;
   French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): EP 96915172 A3 19960515; JP 95261247 A
   19951009; JP 968910 A 19960123
 Applic (No, Kind, Date): EP 2000106447 A
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 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1024478 A1 20000802
 OPTICAL DISK FOR USE WITH AN ENCRYPTION OR PROGRAM LICENSE SYSTEM
    (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
              (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
    SHINICHI
             (JP)
   YOSHINARI
                           EP 96932845 A3 19961008; JP 95261247 A
 Priority (No, Kind, Date):
   19951009; JP 968910 A 19960123; JP 96211304 A
 Applic (No, Kind, Date): EP 2000102970 A
                                           19961008
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1028422 A1 20000816
 AN OPTICAL DISK, AN OPTICAL DISK REPRODUCTION APPARATUS (English;
   French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO
                                      (JP); KOISHI KENJI (JP); OSHIMA
   MITSUAKI (JP); MORIYA MITSURO (JP); TANAKA SHINICHI (JP)
 Priority (No, Kind, Date): EP 96915172 A3 19960515; JP 95261247 A
   19951009; JP 968910 A 19960123
 Applic (No, Kind, Date): EP 2000109898 A
 Designated States: (National) DE; FR; GB
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IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1028423 A1 20000816
 AN OPTICAL DISK, AN OPTICAL BARCODE FORMING METHOD, AN OPTICAL DISK
   REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
   FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
   MANUFACTORING AN OPTICAL DISK (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor):
                      GOTOH YOSHIHO
                                      (JP); KOISHI KENJI (JP); OSHIMA
   MITSUAKI
            (JP); MORIYA MITSURO (JP); TANAKA SHINICHI (JP)
 Priority (No, Kind, Date):
                           EP 96915172 A3 19960515; JP 95261247 A
   19951009; JP 968910 A 19960123
 Applic (No, Kind, Date): EP 2000109899 A
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1030297 Al 20000823
 AN OPTICAL DISK AND AN OPTICAL DISK RECORDING METHOD (English; French;
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI
                                                          (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): EP 96915172 A3 19960515; JP 95261247 A
   19951009; JP 968910 A
                           19960123
 Applic (No, Kind, Date): EP 2000110461 A
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1031974 Al 20000830
 AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): EP 96915172 A3 19960515; JP 95261247 A
   19951009; JP 968910 A
                           19960123
 Applic (No, Kind, Date): EP 2000112310 A
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1049334 Al 20001102
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 96119060 A3 19920326; EP 92302627 A3
    19920326; JP 9162798 A
                                 19910327; JP 9195813 A 19910425; JP
                   19910529; JP 91182236 A
                                            19910723; JP 9260739 A
    91155650
              Α
 Applic (No, Kind, Date): EP 2000114691 A
 Designated States: (National) DE; FR; GB; NL
 IPC: * HO4N-007/24; HO4L-027/34; HO4N-007/04
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: English
Patent (No, Kind, Date): EP 1168328 A1 20020102
 OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION
   SYSTEM AND PROGRAM LICENSE SYSTEM (English; French; German)
  Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
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(JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
    SHINICHI
   YOSHINARI (JP)
 Priority (No, Kind, Date): EP 2000102970 A3 19961008; EP 96932845 A3
      19961008; JP 95261247 A 19951009; JP 968910 A
                                                         19960123; JP
   96211304 A
                19960809
 Applic (No, Kind, Date): EP 2001120681 A
                                           19961008
 Designated States: (National) DE; FR; GB
 IPC: * G11B-020/00; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 506400 A2 19920930
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI - KATSURA (JP)
 Priority (No, Kind, Date): JP 9162798
                                        A 19910327; JP 9195813 A
    19910425; JP 91155650 A 19910529; JP 91182236 A
   9260739 A
               19920317
 Applic (No, Kind, Date): EP 92302627 A 19920326
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/13; H04N-007/04
 Derwent WPI Acc No: ; G 92-325674
 Language of Document: English
Patent (No, Kind, Date): EP 555031 A2 19930811
 RECORDING AND REPRODUCING APPARATUS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 9213809
                                             19920129; JP 9242558 A
                                        Α
                                19920309; JP 9268031 A 19920326; JP
    19920228; JP 9250328 A
                  19920430; JP 92194450 A
             Α
                                           19920722; JP 92280874 A
    92111176
   19920925
 Applic (No, Kind, Date): EP 93300695 A
                                        19930129
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-013/00; G11B-011/10; G11B-013/04
 Derwent WPI Acc No: ; G 93-251292
 Language of Document: English
Patent (No, Kind, Date): EP 564187 A2 19931006
 RECORDING AND REPRODUCING APPARATUS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor):
                      OSHIMA MITSUAKI
                                        (JP); TANAKA MICHIRO
   SHIMIZU RYOSUKE (JP); KODO TOSHIKAZU (JP)
 Priority (No, Kind, Date): JP 9268031 A 19920326; JP 92111176 A
    19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP
                  19921021; JP 92331300 A 19921211; JP 938596 A
    92282666
              Α
   19930121
 Applic (No, Kind, Date): EP 93302365 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-013/00; G11B-011/10; G11B-023/03; G11B-013/04
 Derwent WPI Acc No: ; G 93-313529
 Language of Document: English
Patent (No, Kind, Date): EP 589709 A2 19940330
 MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 92256070 A 19920925; JP 9366461 A
   19930325; JP 93132984 A 19930510
 Applic (No, Kind, Date): EP 93307575 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/34; H04N-007/13; H04L-005/06; H04L-027/18
 Derwent WPI Acc No: * G 93-305235
 Language of Document: English
Patent (No, Kind, Date): EP 608126 A2 19940727
 INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING SAME. (English;
   French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI
                                                               (JP);
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USHIGOME HISASHI (JP)
 Priority (No, Kind, Date): JP 938596 A
                                            19930121; JP 9392219 A
    19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
                19931102; JP 93314114 A 19931119
   93297504 A
 Applic (No, Kind, Date): EP 94300403 A 19940119
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-013/04; G11B-023/44
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
    95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026; C
     94-236841
 Language of Document: English
Patent (No, Kind, Date): EP 609013 A2 19940803
 RECORDING AND REPRODUCING APPARATUS. (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO
               (JP); YOSHIURA TSUKASA
                                         (JP); MATSUURA TAKUMI (JP);
    TOSHIKAZU
   TANAKA MITIRO (JP); TAN SATOSHI (JP)
 Priority (No, Kind, Date): JP 938596 A
                                             19930121; JP 9392219 A
    19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
   93297504 A 19931102; JP 93314114 A 19931119
 Applic (No, Kind, Date): EP 94300402 A 19940119
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-013/04; G11B-020/10; G11B-019/28; G11B-020/18; G11B-021/02
   ; G11B-023/00; G11B-023/36
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
    95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026; G
     94-242360
 Language of Document: English
Patent (No, Kind, Date): EP 609617 A2 19940810
 RECORDING AND REPRODUCING APPARATUS. (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); TAN SATOSHI (JP); KUWAMOTO
   MAKOTO (JP)
 Priority (No, Kind, Date): JP 938596
                                       Α
                                           19930121; JP 93205682 A
   19930727; JP 92321063 A 19921201
 Applic (No, Kind, Date): EP 93309619 A
 Designated States: (National) BE; DE; FR; GB; NL
 IPC: * G06F-001/18
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
   95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026
 Language of Document: English
Patent (No, Kind, Date): EP 637016 A2 19950201
 RECORDING AND REPRODUCING APPARATUS. (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 93205682 A 19930727; JP 94104879 A
    19940418; JP 94156089 A 19940707; JP 93297504 A
   93314114 A
                19931119
 Applic (No, Kind, Date): EP 94305557 A
                                       19940727
 Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL
 IPC: * G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00
   ; G11B-023/28
 Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G
    95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G
     01-018026; G 95-116722
 Language of Document: English
Patent (No, Kind, Date): EP 766478 A2 19970402
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date):
                           EP 92302627 A3 19920326; JP 9162798 A
                                19910425; JP 91155650 A 19910529; JP
    19910327; JP 9195813 A
               19910723; JP 9260739 A 19920317
   91182236 A
 Applic (No, Kind, Date): EP 96119060 A
                                         19920326
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
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Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731; G 97-195354
 JAPIO Reference No: * 180152E000002
 Language of Document: English
Patent (No, Kind, Date): EP 833319 A2 19980401
 DISC-SHAPED RECORDING MEDIUM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO
                                         (JP); MATSUURA TAKUMI (JP);
               (JP); YOSHIURA TSUKASA
    TOSHIKAZU
   TANAKA MITIRO (JP); TAN SATOSHI (JP)
                                        A3 19940119; JP 938596 A
 Priority (No, Kind, Date): EP 94300402
    19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP
              A 19930727; JP 93297504 A 19931102; JP 93314114 A
    93205682
   19931119
 Applic (No, Kind, Date): EP 97118775 A 19940119
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-013/04
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
    95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026; G
     98-181451
 Language of Document: English
Patent (No, Kind, Date): EP 844611 A2 19980527
 OPTICAL DISK (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
                      OSHIMA MITSUAKI (JP); KOMODA HIDEAKI
 Author (Inventor):
                                                               (JP);
   USHIGOME HISASHI (JP)
                          EP 94300403 A3 19940119; JP 938596 A
 Priority (No, Kind, Date):
    19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP
                 19930727; JP 93297504 A 19931102; JP 93314114 A
    93205682
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   19931119
 Applic (No, Kind, Date): EP 98100524 A
                                        19940119
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-020/00; G11B-013/04; G11B-007/007; G11B-007/24
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
   95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026
 Language of Document: English
Patent (No, Kind, Date): EP 844612 A2 19980527
 APPARATUS FOR REPRODUCING INFORMATION FROM AN OPTICAL DISC (English;
   French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI
                                                               (JP);
   USHIGOME HISASHI (JP)
                          EP 94300403 A3 19940119; JP 938596 A
 Priority (No, Kind, Date):
    19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP
             A 19930727; JP 93297504 A 19931102; JP 93314114 A
    93205682
   19931119
 Applic (No, Kind, Date): EP 98100525 A 19940119
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-020/00; G11B-013/04; G11B-007/24; G11B-007/007
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
   95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026
 Language of Document: English
Patent (No, Kind, Date): EP 1035693 A2 20000913
 MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS
    (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93307575 A3 19930924; JP 92256070 A
                           19930325; JP 93132984 A
   19920925; JP 9366461 A
                                                      19930510
 Applic (No, Kind, Date): EP 2000114572 A 19930924
  Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
  IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
   ; HO4N-007/24
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Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
     94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
   00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
     01-063439; G 01-063440; G 01-063441; G 02-050566; G 00-595507
  JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1035694 A2 20000913
 MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)
  Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
  Priority (No, Kind, Date): EP 93307575 A3 19930924; JP 92256070 A
    19920925; JP 9366461 A 19930325; JP 93132984 A
                                                        19930510
  Applic (No, Kind, Date): EP 2000114573 A 19930924
  Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
    IT; LI; LU; MC; NL; PT; SE
  IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04N-005/44
  Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
     94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
      00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441; G 02-050566; G 01-063437
  JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1035695 A2 20000913
 MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS
    (English; French; German)
  Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
  Priority (No, Kind, Date): EP 93307575 A3 19930924; JP 92256070 A
    19920925; JP 9366461 A 19930325; JP 93132984 A
                                                       19930510
 Applic (No, Kind, Date): EP 2000114575 A 19930924
  Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
    94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
      00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441; G 02-050566; G 01-063438
  JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1035696 A2 20000913
 MUTLIRESOLUTION TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93307575 A3 19930924; JP 92256070 A
   19920925; JP 9366461 A
                            19930325; JP 93132984 A
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 Applic (No, Kind, Date): EP 2000114577 A 19930924
  Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
    IT; LI; LU; MC; NL; PT; SE
  IPC: * H04L-027/02; H04L-027/34; H04L-027/26; H04L-027/18; H04N-007/24
  Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
     94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
   00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441; G 02-050566; G 01-063439
 JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No, Kind, Date): EP 1035697 A2 20000913
 MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS
    (English; French; German)
  Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
  Priority (No, Kind, Date): EP 93307575 A3 19930924; JP 92256070 A
    19920925; JP 9366461 A 19930325; JP 93132984 A
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 Applic (No, Kind, Date): EP 2000114578 A 19930924
  Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
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IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/02; H04L-027/34; H04L-027/18; H04L-027/26; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
    94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
      00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441; G 02-050566; G 01-063440
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1035698 A2 20000913
 MUTLIRESOLUTION TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93307575 A3 19930924; JP 92256070 A
   19920925; JP 9366461 A 19930325; JP 93132984 A
                                                     19930510
 Applic (No, Kind, Date): EP 2000114579 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/02; H04L-027/18; H04L-027/34; H04L-027/26; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
    94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
      00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441; G 02-050566; G 01-063441
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039672 A2 20000927
 MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS
    (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93307575 A3 19930924; JP 92256070 A
                           19930325; JP 93132984 A
   19920925; JP 9366461 A
                                                      19930510
 Applic (No, Kind, Date): EP 2000114576 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
    94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
      00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441; G 02-050566; G 00-589072
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039673 A2 20000927
                                              CORRECTION CODING WITH
 MULTIRESOLUTION
                  TRANSMISSION
                                AND
                                      ERROR
   MULTICARRIER SIGNALS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114689 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; HO4N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566; G 00-589073
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039674 A2 20000927
                                             CORRECTION CODING WITH
                 TRANSMISSION AND
                                      ERROR
 MULTIRESOLTION
   MULTICARRIER SIGNALS (English; French; German)
  Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
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Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
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   19920326; JP 92256070 A
 Applic (No, Kind, Date): EP 2000114690 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   : H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
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      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566; G 00-589074
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039675 A2 20000927
 MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114692 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; HO4N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566; G 00-589075
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039676 A2 20000927
 MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS
    (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI
                                    (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A
                            19920925
 Applic (No, Kind, Date): EP 2000114694 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566; G 00-589076
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039677 A2 20000927
                  TRANSMISSION
                                AND
                                      ERROR CORRECTION CODING,
 MULTIRESOLUTION
                                                                 WITH
   MULTICARRIER MODULATION (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114696 A
                                         19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
  IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; HO4N-007/24
  Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
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G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566; G 00-589077
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039678 A2 20000927
 MULTIRESOLUTION TRANSMISSION, PARTICULARLY WITH MULTICARRIER SIGNALS
   (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114697 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566; G 00-580985
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039679 A2 20000927
 MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
   ; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date):
                            EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A
                            19920925
 Applic (No, Kind, Date): EP 2000114698 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566; G 00-589078
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039680 A2 20000927
 MULTIRESOLUTION
                  TRANSMISSION
                                AND
                                      ERROR
                                              CORRECTION CODING WITH
   MULTICARRIER MODULATION (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A
                            19920925
 Applic (No, Kind, Date): EP 2000114699 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; HO4N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566; G 00-580986
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039681 A2 20000927
 MUTLIRESOLUTION
                  TRANSMITION
                               AND
                                      ERROR
                                             CORRECTION CODING, WITH
   MULTICARRIER SIGNALS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
                                                 (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
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Applic (No, Kind, Date): EP 2000114701 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/34
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566; G 00-580987
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039682 A2 20000927
 MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SINGALS
    (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date):
                            EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114702 A
                                           19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566; G 00-580988
 JAPIO Reference No: * 180486E000144
 Language of Document: English
                                      20001018
Patent (No, Kind, Date): EP 1045541 A2
 MULTIRESOLUTION
                   TRANSMISSION
                                AND
                                       ERROR
                                               CORRECTION CODING WITH
   MULTICARRIER SIGNALS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
                                                 (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114700 A
                                         19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1049282 A2 20001102
 MULTIRESOLUTION MODULATION WITH MULTICARRIER SIGNALS (English; French;
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date):
                            EP 93307575 A3 19930924; JP 92256070 A
   19920925; JP 9366461 A
                            19930325; JP 93132984 A
 Applic (No, Kind, Date): EP 2000114574 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/34; H04N-007/24
  Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
    94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
      00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441; G 02-050566
  JAPIO Reference No: * 180486E000144
 Language of Document: English
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Patent (No, Kind, Date): EP 1049283 A2 20001102
 MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114693 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1049284 A2 20001102
 MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
   ; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114695 A
                                         19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; HO4N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
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      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1050879 A2 20001108
 RECORDING AND REPRODUCING APPARATUS WITH MEANS FOR ENCRYPTION OF
   INFORMATION (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 94305557 A3 19940727; JP 93205682 A
    19930727; JP 94104879 A 19940418; JP 94156089 A 19940707; JP
   93297504 A
                19931102; JP 93314114 A 19931119
 Applic (No, Kind, Date): EP 2000115017 A 19940727
 Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL
 IPC: * G11B-020/00; G06F-001/00; G11B-007/00; G11B-013/04; G11B-019/02
   ; G11B-023/28
 Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G
    95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G
     01-018026; G 01-018026
 Language of Document: English
Patent (No, Kind, Date): EP 1120777 A2 20010801
 OPTICAL DISK (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
 Priority (No, Kind, Date): EP 95938017 A3 19951116; JP 94283415 A
                           19950202; JP 95261247 A 19951009
   19941117; JP 9516153 A
 Applic (No, Kind, Date): EP 2001108949 A
                                           19951116
 Designated States: (National) DE; FR; GB
                                                         G11B-020/00;
               G11B-007/00;
                             G11B-020/12;
                                           G11B-027/10;
    G11B-007/007; G11B-007/26; G11B-019/02; G11B-019/12; G11B-011/105;
   G11B-023/28; G11B-013/04; G11B-027/30
  Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G
   97-236119
  Language of Document: English
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Patent (No, Kind, Date): EP 1154608 A2 20011114
 MULTIRESOLUTION RECEIVER (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2001118510 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/26
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
    01-063441; G 02-050566; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 506400 A3 19930526
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI - KATSURA (JP)
 Priority (No, Kind, Date): JP 9162798 A 19910327; JP 9195813 A
    19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP
   9260739 A
               19920317
 Applic (No, Kind, Date): EP 92302627 A
                                       19920326
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/13; H04N-007/04
 Derwent WPI Acc No: * G 92-325674
 Language of Document: English
Patent (No, Kind, Date): EP 555031 A3 19951115
 RECORDING AND REPRODUCING APPARATUS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 9213809
                                            19920129; JP 9242558 A
                                        Α
                                19920309; JP 9268031 A 19920326; JP
    19920228; JP 9250328 A
                 19920430; JP 92194450 A 19920722; JP 92280874 A
    92111176
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   19920925
 Applic (No, Kind, Date): EP 93300695 A 19930129
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-013/00; G11B-011/10; G11B-013/04
 Derwent WPI Acc No: * G 93-251292; G 93-313529
 JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
   180522P000136; 180618P000070
 Lanquage of Document: English
Patent (No, Kind, Date): EP 564187 A3 19951206
 RECORDING AND REPRODUCING APPARATUS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
                      OSHIMA MITSUAKI
                                        (JP); TANAKA MICHIRO
 Author (Inventor):
                                                                 (JP):
   SHIMIZU RYOSUKE (JP); KODO TOSHIKAZU (JP)
 Priority (No, Kind, Date): JP 938596 A
                                             19930121; JP 9268031 A
    19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP
                  19920925; JP 92282666 A
    92280874
                                           19921021; JP 92331300 A
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   19921211
 Applic (No, Kind, Date): EP 93302365 A
                                        19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-013/00; G11B-011/10; G11B-023/03; G11B-013/04
 Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
   94-242360; G 95-341616; G 96-062972; G 98-181451
 JAPIO Reference No: *
                          180121P000165; 180264P000063; 180522P000136;
   180618P000070
 Language of Document: English
Patent (No, Kind, Date): EP 589709 A3 19940928
 MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)
                    MATSUSHITA ELECTRIC IND CO LTD (DE); MATSUSHITA
 Patent Assignee:
   ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
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Priority (No, Kind, Date): JP 9366461 A 19930325; JP 93132984 A
   19930510; JP 92256070 A
                            19920925
 Applic (No, Kind, Date): EP 93307575 A
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 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/34; H04N-007/13; H04L-005/06; H04L-027/18
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
    94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
      00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 608126 A3 19951129
 INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING SAME. (English;
   French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
        (Inventor):
                      OSHIMA MITSUAKI
                                        (JP); KOMODA HIDEAKI
                                                               (JP);
   USHIGOME HISASHI (JP)
 Priority (No, Kind, Date): JP 938596 A
                                            19930121; JP 9392219 A
    19930325; JP 93107423 A 19930409; JP 93205682 A
                                                        19930727; JP
                19931102; JP 93314114 A 19931119
   93297504 A
 Applic (No, Kind, Date): EP 94300403 A 19940119
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-013/04; G11B-023/44
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
   95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026
 Language of Document: English
Patent (No, Kind, Date): EP 609013 A3 19951129
 RECORDING AND REPRODUCING APPARATUS. (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO
              (JP); YOSHIURA TSUKASA
                                         (JP); MATSUURA TAKUMI (JP);
    TOSHIKAZU
   TANAKA MITIRO (JP); TAN SATOSHI (JP)
 Priority (No, Kind, Date): JP 938596 A
                                            19930121; JP 9392219 A
    19930325; JP 93107423 A 19930409; JP 93205682 A
                                                        19930727; JP
               19931102; JP 93314114 A 19931119
   93297504 A
 Applic (No, Kind, Date): EP 94300402 A 19940119
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-013/04; G11B-020/10; G11B-019/28; G11B-020/18; G11B-021/02
   ; G11B-023/00; G11B-023/36
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
   95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026
 Language of Document: English
Patent (No, Kind, Date): EP 609617 A3 19961211
 RECORDING AND REPRODUCING APPARATUS. (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); TAN SATOSHI (JP); KUWAMOTO
   MAKOTO (JP)
 Priority (No, Kind, Date): JP 938596
                                           19930121; JP 93205682 A
                                        Α
   19930727; JP 92321063 A
                           19921201
 Applic (No, Kind, Date): EP 93309619 A
                                       19931201
 Designated States: (National) BE; DE; FR; GB; NL
 IPC: * G06F-001/18
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
   95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026
 Language of Document: English
Patent (No, Kind, Date): EP 637016 A3 19950830
 RECORDING AND REPRODUCING APPARATUS. (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 93205682 A 19930727; JP 94104879 A
    19940418; JP 94156089 A 19940707; JP 93297504 A
                                                          19931102; JP
   93314114 A
                19931119
 Applic (No, Kind, Date): EP 94305557 A 19940727
 Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL
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IPC: * G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00
   ; G11B-023/28
 Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G
    95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G
     01-018026
 Language of Document: English
Patent (No, Kind, Date): EP 766478 A3 20000119
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 92302627 A3 19920326; JP 9162798 A
                                 19910425; JP 91155650 A 19910529; JP
    19910327; JP 9195813
                           Α
                 19910723; JP 9260739 A
   91182236 A
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 Applic (No, Kind, Date): EP 96119060 A
                                          19920326
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: English
Patent (No, Kind, Date): EP 833319 A3 20020403
 DISC-SHAPED RECORDING MEDIUM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO
               (JP); YOSHIURA TSUKASA
                                           (JP); MATSUURA TAKUMI (JP);
    TOSHIKAZU
   TANAKA MITIRO (JP); TAN SATOSHI (JP)
                                          A3 19940119; JP 938596 A
 Priority (No, Kind, Date): EP 94300402
                           A 19930325; JP 93107423 A 19930409; JP
    19930121; JP 9392219
                  19930727; JP 93297504 A 19931102; JP 93314114 A
    93205682
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   19931119
 Applic (No, Kind, Date): EP 97118775 A
                                         19940119
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-013/04; G11B-020/12
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
   95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026
 Language of Document: English
Patent (No, Kind, Date): EP 1035693 A3 20001206
 MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS
    (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93307575 A3 19930924; JP 92256070 A
   19920925; JP 9366461 A
                             19930325; JP 93132984 A
                                                        19930510
 Applic (No, Kind, Date): EP 2000114572 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
    94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
   00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No, Kind, Date): EP 1035694 A3 20001206
 MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93307575 A3 19930924; JP 92256070 A
                            19930325; JP 93132984 A
                                                        19930510
   19920925; JP 9366461 A
 Applic (No, Kind, Date): EP 2000114573 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
  IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
    ; HO4N-007/24
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Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
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   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1035695 A3 20001206
 MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS
   (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93307575 A3 19930924; JP 92256070 A
   19920925; JP 9366461 A 19930325; JP 93132984 A
                                                      19930510
 Applic (No, Kind, Date): EP 2000114575 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
    94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
      00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1035696 A3 20001206
 MUTLIRESOLUTION TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93307575 A3 19930924; JP 92256070 A
   19920925; JP 9366461 A 19930325; JP 93132984 A
                                                      19930510
 Applic (No, Kind, Date): EP 2000114577 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
    94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
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   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1035697 A3 20001206
 MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS
    (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93307575 A3 19930924; JP 92256070 A
                           19930325; JP 93132984 A
   19920925; JP 9366461 A
 Applic (No, Kind, Date): EP 2000114578 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
    94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
      00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
      00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1035698 A3 20001206
 MUTLIRESOLUTION TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93307575 A3 19930924; JP 92256070 A
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19930325; JP 93132984 A
   19920925; JP 9366461 A
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 Applic (No, Kind, Date): EP 2000114579 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
    94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
      00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039672 A3 20001206
 MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS
    (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date):
                            EP 93307575 A3 19930924; JP 92256070 A
   19920925; JP 9366461 A 19930325; JP 93132984 A
 Applic (No, Kind, Date): EP 2000114576 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
    94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
      00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039673 A3
                                      20001206
 MULTIRESOLUTION
                  TRANSMISSION
                                      ERROR
                                AND
                                              CORRECTION CODING WITH
   MULTICARRIER SIGNALS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114689 A
                                         19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039674 A3
                                      20001206
 MULTIRESOLTION
                 TRANSMISSION
                               AND
                                      ERROR
                                             CORRECTION
                                                          CODING WITH
   MULTICARRIER SIGNALS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114690 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
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JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039675 A3 20001206
 MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114692 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039676 A3 20001206
 MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS
    (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date):
                            EP 93302369 A3 19930326; JP 9267934
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114694 A
                                         19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039677 A3
                                      20001206
                  TRANSMISSION
 MULTIRESOLUTION
                                AND
                                      ERROR CORRECTION CODING, WITH
   MULTICARRIER MODULATION (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A
                            19920925
 Applic (No, Kind, Date): EP 2000114696 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039678 A3 20001206
 MULTIRESOLUTION TRANSMISSION, PARTICULARLY WITH MULTICARRIER SIGNALS
    (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114697 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
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IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039679 A3 20001206
 MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114698 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; HO4N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039680 A3
                                     20001206
 MULTIRESOLUTION
                  TRANSMISSION
                                AND
                                       ERROR
                                              CORRECTION CODING WITH
   MULTICARRIER MODULATION (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A
                            19920925
 Applic (No, Kind, Date): EP 2000114699 A
                                         19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; HO4N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039681 A3
                                     20001206
 MUTLIRESOLUTION
                                             CORRECTION CODING, WITH
                  TRANSMITION
                               AND
                                      ERROR
   MULTICARRIER SIGNALS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
                                    (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A
                            19920925
 Applic (No, Kind, Date): EP 2000114701 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; HO4N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039682 A3 20001206
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MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SINGALS
   (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114702 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1045541 A3
                                      20001206
 MULTIRESOLUTION
                  TRANSMISSION
                                AND
                                       ERROR
                                             CORRECTION CODING WITH
   MULTICARRIER SIGNALS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A
                            19920925
 Applic (No, Kind, Date): EP 2000114700 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1049282 A3 20001206
 MULTIRESOLUTION MODULATION WITH MULTICARRIER SIGNALS (English; French;
   German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93307575 A3 19930924; JP 92256070 A
   19920925; JP 9366461 A 19930325; JP 93132984 A
 Applic (No, Kind, Date): EP 2000114574 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
    94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
      00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1049283 A3 20001206
 MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI
                                    (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A
                            19920925
 Applic (No, Kind, Date): EP 2000114693 A
                                         19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
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Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
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      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1049284 A3 20001206
 MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
   : German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114695 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; HO4N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1120777 A3 20011010
 OPTICAL DISK (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
 Priority (No, Kind, Date): EP 95938017 A3 19951116; JP 94283415 A
   19941117; JP 9516153 A 19950202; JP 95261247 A
 Applic (No, Kind, Date): EP 2001108949 A
                                          19951116
 Designated States: (National) DE; FR; GB
 IPC: * G11B-020/00; G06F-001/00; G11B-007/00; G11B-027/30; G11B-023/28
    ; G11B-013/04; G11B-011/105; G11B-019/02; G11B-019/12; G11B-007/007;
   G11B-007/26; G11B-020/12; G11B-027/10
 Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G
   97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 689200 A4 19960529
 OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK,
   REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL
   DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD
   (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRONICS CORP (JP)
 Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI
                                                       (JP)
 Priority (No, Kind, Date): WO 94JP2304 W 19941228; JP 93335165 A
    19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP
               19940707; JP 94299508 A 19941202
   94156089 A
 Applic (No, Kind, Date): EP 95904033 A 19941228
 Designated States: (National) DE; FR; GB; IT
             G11B-007/007;
                            G11B-020/12;
                                                          G11B-007/00;
                                           G11B-013/04;
   G11B-007/26; G11B-019/06; G11B-020/14; G11B-020/10
 Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G
   01-018026
 Language of Document: English
Patent (No, Kind, Date): EP 706174 A4 19970702
 METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL
    INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English;
   French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
 Priority (No, Kind, Date): WO 95JP760 W 19950418; JP 94104879 A
    19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP
              19950201; JP 9516865 A 19950203
   9515318 A
 Applic (No, Kind, Date): EP 95915345 A
 Designated States: (National) DE; FR; GB; NL
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IPC: * G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06
   ; G11B-007/09
 Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G
   96-268785; G 01-018026
 Language of Document: English
Patent (No, Kind, Date): EP 741382 A4 19970702
 MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON
   OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK
   PRODUCING METHOD (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO
 Priority (No, Kind, Date): WO 95JP2339 W
                                           19951116; JP 94283415 A
   19941117; JP 9516153 A 19950202; JP 95261247 A
                                                    19951009
 Applic (No, Kind, Date): EP 95938017 A
                                         19951116
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12
 Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G
   97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 802527 A4 19971210
 OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED
   COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM
   (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
              (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
    SHINICHI
   YOSHINARI
             (JP)
                           WO 96JP2924 W
                                           19961008; JP 95261247 A
 Priority (No, Kind, Date):
   19951009; JP 968910 A 19960123; JP 96211304 A
                                                   19960809
 Applic (No, Kind, Date): EP 96932845 A 19961008
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 807929 A4 19971210
 Priority (No, Kind, Date): WO 96JP1303 W 19960515; JP 95261247 A
   19951009; JP 968910 A
                           19960123
 Applic (No, Kind, Date): EP 96915172 A 19960515
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/24
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English; French; German
Patent (No, Kind, Date): EP 506400 B1 19971217
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 9162798 A
                                            19910327; JP 9195813 A
    19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP
               19920317
   9260739 A
 Applic (No, Kind, Date): EP 92302627 A
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/24; H04N-007/04; H04N-007/12; H04N-007/08; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: English
Patent (No, Kind, Date): EP 589709 B1 20010829
 MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 9366461 A
                                           19930325; JP 93132984 A
   19930510; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 93307575 A
                                       19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/18
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
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94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
      00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 637016 B1 20010307
 RECORDING AND REPRODUCING APPARATUS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
                                           19930727; JP 94104879 A
 Priority (No, Kind, Date): JP 93205682 A
    19940418; JP 94156089 A 19940707; JP 93297504 A
                                                         19931102; JP
   93314114 A
                19931119
 Applic (No, Kind, Date): EP 94305557 A
                                       19940727
 Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL
 IPC: * G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00
   ; G11B-023/28
 Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G
    95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G
     01-018026
 Language of Document: English
Patent (No, Kind, Date): EP 741382 B1 20011010
 MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON
   OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK
   PRODUCING METHOD (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO
                                           19951116; JP 94283415 A
 Priority (No, Kind, Date): WO 95JP2339 W
   19941117; JP 9516153 A 19950202; JP 95261247 A
                                                     19951009
 Applic (No, Kind, Date): EP 95938017 A
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06
   ; G11B-007/09; G11B-020/00; G06F-001/00
 Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G
   97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 766478 B1 20020327
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 92302627 A3 19920326; JP 9162798 A
                           A 19910425; JP 91155650 A 19910529; JP
    19910327; JP 9195813
                19910723; JP 9260739 A 19920317
   91182236 A
 Applic (No, Kind, Date): EP 96119060 A
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: English
Patent (No, Kind, Date): EP 802527 B1 20010829
 RECORDER FOR OPTICAL DISKS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
               (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
    SHINICHI
   YOSHINARI
             (JP)
 Priority (No, Kind, Date):
                            WO 96JP2924 W
                                           19961008; JP 95261247 A
                           19960123; JP 96211304 A
   19951009; JP 968910 A
 Applic (No, Kind, Date): EP 96932845 A
                                        19961008
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 807929 B1 20010228
 OPTICAL DISK PROVIDED WITH BAR CODE (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
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Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI
            (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
  Priority (No, Kind, Date): WO 96JP1303 W
                                           19960515; JP 95261247 A
                           19960123
   19951009; JP 968910 A
 Applic (No, Kind, Date): EP 96915172 A
                                         19960515
 Designated States: (National) DE; FR; GB
              G11B-007/007;
                             G11B-007/24;
                                            G06K-019/00;
                                                          G11B-020/10;
   G11B-020/00; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 975168 B1 20020327
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 96119060 A3 19920326; EP 92302627 A3
    19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
                   19910529; JP 91182236 A
                                            19910723; JP 9260739 A
   19920317
 Applic (No, Kind, Date): EP 99119266 A
                                         19920326
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: English
Patent (No, Kind, Date): EP 975171 B1 20020327
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 96119060 A3 19920326; EP 92302627 A3
    19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
                   19910529; JP 91182236 A
                                            19910723; JP 9260739 A
   19920317
 Applic (No, Kind, Date): EP 99121008 A
                                         19920326
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: English
Patent (No, Kind, Date): EP 975172 B1 20020327
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 96119060 A3 19920326; EP 92302627 A3
    19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
    91155650
                   19910529; JP 91182236 A
                                            19910723; JP 9260739 A
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 Applic (No, Kind, Date): EP 99121024 A
                                        19920326
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: English
Patent (No, Kind, Date): EP 975173 B1 20020327
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 96119060 A3 19920326; EP 92302627 A3
    19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
                    19910529; JP 91182236 A
                                              19910723; JP 9260739 A
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   19920317
 Applic (No, Kind, Date): EP 99121025 A
  Designated States: (National) DE; FR; GB; NL
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IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: English
Patent (No, Kind, Date): EP 1003162 B1 20001102
 AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;
   French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): EP 96915172 A3 19960515; JP 95261247 A
   19951009; JP 968910 A
                           19960123
 Applic (No, Kind, Date): EP 2000103257 A
                                           19960515
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1005023 B1 20020522
           REPRODUCING
                                FOR
                                      THE REPRODUCTION OF ENCRYPTED
 OPTICAL
                        DEVICE
   INFORMATION (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
              (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
    SHINICHI
   YOSHINARI
              (JP)
 Priority (No, Kind, Date): EP 96932845 A3 19961008; JP 95261247 A
   19951009; JP 968910 A 19960123; JP 96211304 A
                                                     19960809
 Applic (No, Kind, Date): EP 2000102965 A
                                           19961008
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1005024 B1 20010530
          REPRODUCING DEVICE FOR
                                      THE REPRODUCTION OF ENCRYPTED
 OPTICAL
   INFORMATION (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
              (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
    SHINICHI
   YOSHINARI
              (JP)
 Priority (No, Kind, Date): EP 96932845 A3 19961008; JP 95261247 A
   19951009; JP 968910 A 19960123; JP 96211304 A
                                                    19960809
 Applic (No, Kind, Date): EP 2000102966 A
                                           19961008
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1005025 B1 20020102
 OPTICAL DISK FOR USE WITH AN ENCRYPTION OR PROGRAM LICENSE SYSTEM
    (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
    SHINICHI
              (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI
              (JP)
 Priority (No, Kind, Date): EP 96932845 A3 19961008; JP 95261247 A
   19951009; JP 968910 A 19960123; JP 96211304 A
                                                    19960809
 Applic (No, Kind, Date): EP 2000102967 A
                                          19961008
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1005026 B1 20010523
 OPTICAL RECORDER (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
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Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
               (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
    SHINICHI
              (JP)
   YOSHINARI
 Priority (No, Kind, Date): EP 96932845 A3 19961008; JP 95261247 A
                           19960123; JP 96211304 A
                                                     19960809
   19951009; JP 968910 A
 Applic (No, Kind, Date): EP 2000102968 A
                                           19961008
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1005027 B1 20010523
 OPTICAL RECORDER (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
               (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
    SHINICHI
   YOSHINARI
 Priority (No, Kind, Date):
                           EP 96932845 A3 19961008; JP 95261247 A
   19951009; JP 968910 A
                           19960123; JP 96211304 A
                                                      19960809
 Applic (No, Kind, Date): EP 2000102969 A
                                           19961008
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1005028 B1 20020424
 OPTICAL RECORDER AND OPTICAL RECORDING METHOD USING ENCRYPTION (English
   ; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
               (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
    SHINICHI
   YOSHINARI
              (JP)
 Priority (No, Kind, Date):
                           EP 96932845 A3 19961008; JP 95261247 A
   19951009; JP 968910 A 19960123; JP 96211304 A
 Applic (No, Kind, Date): EP 2000102971 A
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1005033 Bl 20010919
 AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;
   French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date):
                           EP 96915172 A3 19960515; JP 95261247 A
   19951009; JP 968910 A
                            19960123
 Applic (No, Kind, Date): EP 2000101774 A
                                           19960515
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1005034 B1 20001102
 AN OPTICAL DISK CARRYING BARCODED INFORMATION (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): EP 96915172 A3 19960515; JP 95261247 A
                            19960123
   19951009; JP 968910 A
 Applic (No, Kind, Date): EP 2000101775 A
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
    ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1005035 B1 20001102
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AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;
   French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
                           EP 96915172 A3 19960515; JP 95261247 A
 Priority (No, Kind, Date):
   19951009; JP 968910 A
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 Applic (No, Kind, Date): EP 2000104818 A
                                           19960515
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1006516 B1 20011121
 AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;
   French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): EP 96915172 A3 19960515; JP 95261247 A
   19951009; JP 968910 A
                           19960123
 Applic (No, Kind, Date): EP 2000105014 A
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1006517 B1 20011128
 AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;
   French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): EP 96915172 A3 19960515; JP 95261247 A
   19951009; JP 968910 A
                           19960123
 Applic (No, Kind, Date): EP 2000106447 A
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
   ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1024478 B1 20020502
 OPTICAL DISK FOR USE WITH AN ENCRYPTION OR PROGRAM LICENSE SYSTEM
    (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
    SHINICHI
               (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI
             (JP)
                           EP 96932845 A3 19961008; JP 95261247 A
 Priority (No, Kind, Date):
   19951009; JP 968910 A 19960123; JP 96211304 A
 Applic (No, Kind, Date): EP 2000102970 A
                                           19961008
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
   ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): EP 1031974 B1 20010816
 AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): EP 96915172 A3 19960515; JP 95261247 A
   19951009; JP 968910 A
                            19960123
 Applic (No, Kind, Date): EP 2000112310 A
 Designated States: (National) DE; FR; GB
  IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
    ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
  Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
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Language of Document: English
Patent (No, Kind, Date): EP 1039673 B1 20020424
 MULTIRESOLUTION
                  TRANSMISSION
                                AND
                                       ERROR
                                               CORRECTION CODING WITH
   MULTICARRIER SIGNALS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114689 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039674 B1
                                     20020424
 MULTIRESOLUTION
                  TRANSMISSION
                                AND
                                      ERROR
                                               CORRECTION CODING WITH
   MULTICARRIER SIGNALS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date):
                            EP 93302369 A3 19930326; JP 9267934
   19920326; JP 92256070 A
                            19920925
 Applic (No, Kind, Date): EP 2000114690 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039675 B1 20020306
 MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
   ; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114692 A
                                         19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039676 B1 20020424
 MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS
    (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114694 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
  IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
  Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
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   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039677 B1
                                     20020424
                                      ERROR CORRECTION CODING, WITH
 MULTIRESOLUTION
                  TRANSMISSION
                                AND
   MULTICARRIER MODULATION (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114696 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
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 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
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   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039678 B1 20020424
 MULTIRESOLUTION TRANSMISSION, PARTICULARLY WITH MULTICARRIER SIGNALS
    (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114697 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
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   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039679 B1 20020424
 MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114698 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
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   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039680 B1
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                                              CORRECTION CODING WITH
 MULTIRESOLUTION
                  TRANSMISSION
                                AND
                                      ERROR
   MULTICARRIER MODULATION (English; French; German)
  Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
  Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
  Applic (No, Kind, Date): EP 2000114699 A 19930326
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Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
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   ; HO4N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
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   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039681 B1 20020424
                                      ERROR CORRECTION CODING,
                  TRANSMISSION
                                AND
                                                                  WITH
 MULTIRESOLUTION
   MULTICARRIER SIGNALS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A
                            19920925
 Applic (No, Kind, Date): EP 2000114701 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
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   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1039682 B1 20020306
 MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS
    (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): EP 2000114702 A
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 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
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   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1045541 B1
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 MULTIRESOLUTION
                  TRANSMISSION
                                AND
                                      ERROR
                                              CORRECTION CODING WITH
   MULTICARRIER SIGNALS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
   19920326; JP 92256070 A
                            19920925
 Applic (No, Kind, Date): EP 2000114700 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
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 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
   ; HO4N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
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   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): EP 1049283 B1 20020424
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MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
     ; German)
   Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
   Author (Inventor): OSHIMA MITSUAKI (JP)
   Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
     19920326; JP 92256070 A 19920925
   Applic (No, Kind, Date): EP 2000114693 A 19930326
   Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
     IT; LI; LU; MC; NL; PT; SE
   IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
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    G 01-063441; G 02-050566
   JAPIO Reference No: * 180486E000144
   Language of Document: English
  Patent (No, Kind, Date): EP 1049284 B1 20020306
   MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
     ; German)
   Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
   Author (Inventor): OSHIMA MITSUAKI (JP)
   Priority (No, Kind, Date): EP 93302369 A3 19930326; JP 9267934 A
     19920326; JP 92256070 A 19920925
   Applic (No, Kind, Date): EP 2000114695 A 19930326
   Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
     IT; LI; LU; MC; NL; PT; SE
   IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
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    G 01-063441; G 02-050566
   JAPIO Reference No: * 180486E000144
   Language of Document: English
EUROPEAN PATENT OFFICE (EP)
 Legal Status (No, Type, Date, Code, Text):
                     19910327 EP AA
   EP 506400
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                                             PRIORITY (PATENT
                            APPLICATION) (PRIORITAET (PATENTANMELDUNG))
                            JP 9162798 A 19910327
   EP 506400
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                      19910425 EP AA
                                             PRIORITY (PATENT
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                            JP 9195813 A 19910425
   EP 506400
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                      19910529 EP AA
                                             PRIORITY (PATENT
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                            JP 91155650 A
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   EP 506400
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                      19910723 EP AA
                                             PRIORITY (PATENT
                            APPLICATION) (PRIORITAET (PATENTANMELDUNG))
                            JP 91182236 A
                                             19910723
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   EP 506400
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                      19920317 EP AA
                            APPLICATION) (PRIORITAET (PATENTANMELDUNG))
                            JP 9260739 A 19920317
   EP 506400
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                      19920326 EP AE
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                             (EUROPAEISCHE ANMELDUNG)
                            EP 92302627 A 19920326
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   EP 506400 P
                      19920930 EP AK
                            STATES IN AN APPLICATION WITHOUT SEARCH
                                   (IN EINER ANMELDUNG OHNE
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RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

| EP | 506400 | P | WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER |
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| EP | 506400 | P | ANMELDUNG OHNE RECHERCHENBERICHT) 19930526 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| EP | 506400 | P | DE FR GB NL 19930526 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP | 506400 | P | |
| EP | 506400 | P | 19960110 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 951127 |
| EP | 506400 | P | 19970402 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 766478 P |
| EP | 506400 | P | |
| EP | 506400 | P | 19971217 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) |
| EP | 506400 | P | 19971217 EP DX MISCELLANEOUS: (DELETED) (DIVERSES: (GELOESCHT)) |
| EP | 506400 | P | 19980129 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69223541 P 19980129 |
| EP | 506400 | P | 19980320 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) |
| EP | 506400 | P | 19981209 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) |
| EP | 506400 | P | 20000119 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| EP | 506400 | P | 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| EP | 506400 | P | |
| EP | 506400 | P | 20000126 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975170 P |
| ΕP | 506400 | P | 20000126 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975171 P |
| EP | 506400 | P | |
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| ЕP | 506400 | P | 20000126 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975174 P |
| EP | 506400 | P | |
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| | | EP 766478 P |
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| EP 506400 | P | 20020327 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| EP 506400 | P | EP 975168 P 20020327 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| EP 506400 | Р | EP 975171 P 20020327 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975172 P |
| EP 506400 | P | 20020327 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975173 P |
| EP 555031 | P | |
| EP 555031 | P | JP 9213809 A 19920129 19920228 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 555031 | P | JP 9242558 A 19920228 19920309 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 555031 | P | JP 9250328 A 19920309 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 555031 | Р | JP 9268031 A 19920326 19920430 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 555031 | P | APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 555031 | Р | JP 92194450 A 19920722 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 555031 | Р | JP 92280874 A 19920925 19930129 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 93300695 A 19930129 |
| EP 555031 | P | 19930811 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 555031 | P | |
| EP 555031 | Р | 19930811 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 930206 |
| EP 555031 | P | |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 555031 | P | 19951115 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS |
| EP 555031 | P | (ART. 93)) 19970402 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) |

970214 EP 555031 19981223 EP 18D DEEMED TO BE WITHDRAWN (ALS ZURUECKGENOMMEN GELTEN) 980626 EP 562875 P 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 9267934 A 19920326 EP 562875 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 92256070 A 19920925 19930326 EP AE EP-APPLICATION EP 562875 (EUROPAEISCHE ANMELDUNG) EP 93302369 A 19930326 19930929 EP AK DESIGNATED CONTRACTING EP 562875 STATES IN AN APPLICATION WITH SEARCH REPORT (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE EP 562875 19930929 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) 19930929 EP 17P REOUEST FOR EXAMINATION EP 562875 FILED (PRUEFUNGSANTRAG GESTELLT) 930403 19960417 EP 170 FIRST EXAMINATION REPORT EP 562875 Ρ (ERSTER PRUEFUNGSBESCHEID) 960306 20000830 EP RAHF DIVISIONAL APPLICATION (ART EP 562875 P 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114689 A 20000708 EP 562875 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114690 A 20000708 20000830 EP RAHF DIVISIONAL APPLICATION (ART EP 562875 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114692 A 20000708 20000830 EP RAHF DIVISIONAL APPLICATION (ART EP 562875 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114693 A 20000708 EP 562875 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114694 A 20000708 EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114695 A 20000708 EP 562875 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114696 A 20000708 EP 562875 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114697 A 20000708 20000830 EP RAHF DIVISIONAL APPLICATION (ART EP 562875

76) IN: (KORR.))

76) IN: (KORR.))

EP 562875

P

EP 2000114698 A 20000708

76) IN: (CORRECTION) (TEILANMELDUNG (ART.

76) IN: (CORRECTION) (TEILANMELDUNG (ART.

20000830 EP RAHF DIVISIONAL APPLICATION (ART

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EP 2000114699 A 20000708
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                                       DIVISIONAL APPLICATION (ART.
EP 562875
             P
                        76) IN: (TEILANMELDUNG (ART. 76) IN:)
                        EP 1039673 P
EP 562875
              Ρ
                  20000927 EP AH
                                        DIVISIONAL APPLICATION (ART.
                        76) IN: (TEILANMELDUNG (ART. 76) IN:)
                        EP 1039674 P
EP 562875
                  20000927 EP AH
                                        DIVISIONAL APPLICATION (ART.
                        76) IN: (TEILANMELDUNG (ART. 76) IN:)
                        EP 1039675 P
                  20000927 EP AH
                                        DIVISIONAL APPLICATION (ART.
EP 562875
                        76) IN: (TEILANMELDUNG (ART. 76) IN:)
                        EP 1039676 P
                  20000927 EP AH
                                        DIVISIONAL APPLICATION (ART.
EP 562875
                        76) IN: (TEILANMELDUNG (ART. 76) IN:)
                        EP 1039677 P
                  20000927 EP AH
                                        DIVISIONAL APPLICATION (ART.
EP 562875
                        76) IN: (TEILANMELDUNG (ART. 76) IN:)
                        EP 1039678 P
                  20000927 EP AH
                                        DIVISIONAL APPLICATION (ART.
EP 562875
                        76) IN: (TEILANMELDUNG (ART. 76) IN:)
                        EP 1039679 P
                  20000927 EP AH
                                        DIVISIONAL APPLICATION (ART.
EP 562875
                        76) IN: (TEILANMELDUNG (ART. 76) IN:)
                        EP 1039680 P
EP 562875 P
                  20000927 EP AH
                                        DIVISIONAL APPLICATION (ART.
                        76) IN: (TEILANMELDUNG (ART. 76) IN:)
                        EP 1039681 P
EP 562875
              Ρ
                  20000927 EP AH
                                        DIVISIONAL APPLICATION (ART.
                        76) IN: (TEILANMELDUNG (ART. 76) IN:)
                        EP 1039682 P
EP 562875
             Ρ
                  20001018 EP AH
                                       DIVISIONAL APPLICATION (ART.
                        76) IN: (TEILANMELDUNG (ART. 76) IN:)
                        EP 1045541 P
EP 562875
              Р
                  20001102 EP AH
                                        DIVISIONAL APPLICATION (ART.
                        76) IN: (TEILANMELDUNG (ART. 76) IN:)
                        EP 1049283 P
EP 562875
                  20001102 EP AH
                                        DIVISIONAL APPLICATION (ART.
                        76) IN: (TEILANMELDUNG (ART. 76) IN:)
                        EP 1049284 P
                  20010926 EP RAHF
EP 562875
              Ρ
                                       DIVISIONAL APPLICATION (ART
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        1039673
                        EP 2000114689 A 20000708
                  20010926 EP RAHF DIVISIONAL APPLICATION (ART
EP 562875 P
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        1039674
                        EP 2000114690 A 20000708
EP 562875
                  20010926 EP RAHF DIVISIONAL APPLICATION (ART
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        1039675
                        EP 2000114692 A 20000708
                  20010926 EP RAHF DIVISIONAL APPLICATION (ART
EP 562875
         P
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76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                       76) IN: (KORR.))
                       1049283
                       EP 2000114693 A 20000708
EP 562875 P 20010926 EP RAHF DIVISIONAL APPLICATION (ART
                       76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                       76) IN: (KORR.))
                       1039676
                       EP 2000114694 A 20000708
                 20010926 EP RAHF DIVISIONAL APPLICATION (ART
EP 562875 P
                       76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                       76) IN: (KORR.))
                       1049284
                       EP 2000114695 A 20000708
EP 562875 P 20010926 EP RAHF DIVISIONAL APPLICATION (ART
                       76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                       76) IN: (KORR.))
                       1039677
                       EP 2000114696 A 20000708
EP 562875 P 20010926 EP RAHF DIVISIONAL APPLICATION (ART
                       76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                       76) IN: (KORR.))
                       1039678
                       EP 2000114697 A 20000708
EP 562875 P 20010926 EP RAHF DIVISIONAL APPLICATION (ART
                       76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                       76) IN: (KORR.))
                       1039679
                       EP 2000114698 A 20000708
EP 562875 P 20010926 EP RAHF DIVISIONAL APPLICATION (ART
                       76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                       76) IN: (KORR.))
                       1039680
                       EP 2000114699 A 20000708
                 20010926 EP RAHF DIVISIONAL APPLICATION (ART
EP 562875 P
                       76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                       76) IN: (KORR.))
                       1045541
                       EP 2000114700 A 20000708
EP 562875 P 20010926 EP RAHF DIVISIONAL APPLICATION (ART
                       76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                       76) IN: (KORR.))
                       1039681
                       EP 2000114701 A 20000708
                 20010926 EP RAHF DIVISIONAL APPLICATION (ART
EP 562875 P
                       76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                       76) IN: (KORR.))
                       1039682
                       EP 2000114702 A 20000708
                 20010926 EP RAHF DIVISIONAL APPLICATION (ART
EP 562875 P
                       76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                       76) IN: (KORR.))
                                      20010801
                       EP 2001118510 A
                 20011114 EP AH DIVISIONAL APPLICATION (ART.
EP 562875 P
                       76) IN: (TEILANMELDUNG (ART. 76) IN:)
                       EP 1154608 P
EP 562875 P
                 20020306 EP AH
                                     DIVISIONAL APPLICATION (ART.
                       76) IN: (TEILANMELDUNG (ART. 76) IN:)
                       EP 1039675 P
EP 562875 P
                 20020306 EP AH
                                     DIVISIONAL APPLICATION (ART.
                       76) IN: (TEILANMELDUNG (ART. 76) IN:)
                       EP 1039680 P
EP 562875 P
                 20020306 EP AH
                                     DIVISIONAL APPLICATION (ART.
                       76) IN: (TEILANMELDUNG (ART. 76) IN:)
                       EP 1039682 P
EP 562875 P 20020306 EP AH
                                      DIVISIONAL APPLICATION (ART.
                       76) IN: (TEILANMELDUNG (ART. 76) IN:)
                       EP 1045541 P
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| EP 56 | 52875 | P | | 06 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1049284 P |
|-------|-------|---|--------|--|
| EP 56 | 52875 | P | 200204 | 24 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1039673 P |
| EP 56 | 52875 | P | 200204 | 24 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1039674 P |
| EP 56 | 52875 | P | 200204 | 24 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1039676 P |
| EP 56 | 52875 | P | 200204 | 24 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1039677 P |
| EP 56 | 52875 | P | 200204 | 24 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1039678 P |
| EP 56 | 52875 | | 200204 | 24 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1039679 P |
| EP 56 | 52875 | P | | 24 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1039681 P |
| | 52875 | | | 24 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1049283 P |
| EP 56 | 54187 | P | 199203 | 26 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 56 | 54187 | Р | 199204 | JP 9268031 A 19920326 30 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 56 | 54187 | P | 199207 | JP 92111176 A 19920430 22 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 56 | 54187 | Р | 199209 | JP 92194450 A 19920722 925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 56 | 54187 | P | 199210 | JP 92280874 A 19920925 021 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 56 | 54187 | P | 199212 | JP 92282666 A 19921021 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 56 | 54187 | P | 199301 | JP 92331300 A 19921211 21 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 56 | 54187 | P | 199303 | JP 938596 A 19930121 326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 56 | 54187 | P | 199310 | EP 93302365 A 19930326 006 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| EP 56 | 54187 | Р | 199310 | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 006 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |

| EP | 564187 | P | 19931006 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 930403 |
|----|--------|---|---|
| EP | 564187 | P | 19951206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP | 564187 | P | 19951206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP | 564187 | P | 19970402 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 970214 |
| EP | 564187 | P | 19980225 EP 18D DEEMED TO BE WITHDRAWN (ALS ZURUECKGENOMMEN GELTEN) 970826 |
| EP | 589709 | P | 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP | 589709 | P | JP 92256070 A 19920925 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP | 589709 | P | JP 9366461 A 19930325 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP | 589709 | P | JP 93132984 A 19930510 19930924 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 93307575 A 19930924 |
| EP | 589709 | P | 19940330 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP | 589709 | P | 19940330 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP | 589709 | P | 19940330 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 931002 |
| EP | 589709 | P | 19940928 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP | 589709 | P | 19940928 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP | 589709 | P | 19970102 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 961115 |
| EP | 589709 | P | 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114572 A 20000707 |
| EP | 589709 | P | 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114573 A 20000707 |

| EP 589709 | P | 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
|-----------|--------|--|
| EP 589709 | P | EP 2000114574 A 20000707 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| EP 589709 | Р | EP 2000114575 A 20000707 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| EP 589709 | P | 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| EP 589709 | Р | 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| EP 589709 | P | 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| EP 589709 | P | EP 2000114579 A 20000707 20000913 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1035693 P |
| EP 589709 | P | 20000913 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1035694 P |
| | P P | 20000913 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1035695 P 20000913 EP AH DIVISIONAL APPLICATION (ART. |
| | P | 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1035696 P 20000913 EP AH DIVISIONAL APPLICATION (ART. |
| EP 589709 | P | 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1035697 P 20000913 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| EP 589709 | P | EP 1035698 P 20000927 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| EP 589709 | Р | EP 1039672 P 20001102 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1049282 P |
| EP 589709 | P | 20010829 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1035693 |
| EP 589709 | Р | 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1035694 |
| EP 589709 | P | EP 2000114573 A 20000707 20010829 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1049282 |
| EP 589709 | P | EP 2000114574 A 20000707 20010829 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1035695 |
| EP 589709 | P | EP 2000114575 A 20000707 20010829 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1039672 |
| | | EP 2000114576 A 20000707 |

| EP | 589709 | P | 20010829 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1035696 |
|----|--------|---|--|
| EP | 589709 | P | EP 2000114577 A 20000707 20010829 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1035697 |
| EP | 589709 | P | EP 2000114578 A 20000707 20010829 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1035698 |
| EP | 589709 | P | EP 2000114579 A 20000707 20010829 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP | 589709 | P | PT SE 20010829 EP B1 PATENT SPECIFICATION |
| EP | 589709 | P | (PATENTSCHRIFT) 20010829 EP REF IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) |
| EP | 589709 | P | AT 205032 R 20010915 20010829 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 1/00 A, 7H 04L 27/18 B |
| EP | 589709 | P | 20010831 CH EP/REG ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE) |
| EP | 589709 | P | 20011003 IE FG4D/REG EUROPEAN PATENTS GRANTED DESIGNATING IRELAND |
| EP | 589709 | Р | 20011004 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69330665 P 20011004 |
| EP | 589709 | P | 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 |
| EP | 589709 | P | 20020125 EP EN FR: TRANSLATION NOT FILED (FR: TRADUCTION N'A PAS ETE REMISE) |
| | 589709 | P | 20020201 EP NLV1 NL: LAPSED OR ANNULED DUE TO FAILURE TO FULFILL THE REQUIREMENTS OF ART. 29P AND 29M OF THE PATENTS ACT; NO LEGAL EFFECT FROM THE DATE OF (NL: WIRKUNG IN NL NICHT EINGETRETEN (ART. 29P UND 29M NL PATG.)) |
| | 589709 | | 20020228 CH PL/REG PATENT CEASED (LOESCHUNG/RADIATION/RADIAZION) |
| EP | 589709 | P | 20020410 EP 25 LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) AT 20010829 |
| EP | 589709 | P | 20020515 EP 25 LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) AT 20010829 |
| EP | 589709 | P | 20020515 EP 25 LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) AT 20010829 |
| EP | 589709 | P | 20020626 EP 25 LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) AT 20010829 |
| EP | 589709 | P | 20020626 EP 25 LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) AT 20010829 |
| EP | 589709 | P | 20020626 EP 25 LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) AT 20010829 |
| EP | 589709 | P | 20020717 EP 25 LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) AT 20010829 |
| EP | 589709 | P | 20020717 EP 25 LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) |

| EP 589709 | BE 20010829 P 20020717 EP 25 LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) |
|-----------|---|
| EP 589709 | PT 20011129 P 20020717 EP 25 LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) |
| EP 608126 | SE 20011129 P 19930121 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 608126 | JP 938596 A 19930121 P 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 608126 | JP 9392219 A 19930325 P 19930409 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 608126 | JP 93107423 A 19930409 P 19930727 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 608126 | JP 93205682 A 19930727 P 19931102 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 608126 | JP 93297504 A 19931102 P 19931119 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 608126 | JP 93314114 A 19931119 P 19940119 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 608126 | EP 94300403 A 19940119 P 19940727 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 608126 | PT SE P 19940727 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER |
| EP 608126 | FILED (PRUEFUNGSANTRAG GESTELLT) |
| EP 608126 | 940127 P 19951129 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 608126 | P 19951129 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS |
| EP 608126 | (ART. 93)) P 19970903 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) |
| EP 608126 | 970722 P 19980527 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| EP 608126 | EP 844611 P P 19980527 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| EP 608126 | EP 844612 P P 19980729 EP 18D DEEMED TO BE WITHDRAWN (ALS ZURUECKGENOMMEN GELTEN) 980203 |

| EP 609013 | P 19930121 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
|-----------|--|
| EP 609013 | JP 938596 A 19930121 P 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 609013 | JP 9392219 A 19930325 P 19930409 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 609013 | JP 93107423 A 19930409 P 19930727 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 93205682 A 19930727 |
| EP 609013 | |
| EP 609013 | JP 93297504 A 19931102 P 19931119 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 609013 | JP 93314114 A 19931119 P 19940119 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 94300402 A 19940119 |
| EP 609013 | P 19940803 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 609013 | PT SE P 19940803 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 609013 | P 19940803 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| EP 609013 | 940127 P 19951129 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 609013 | PT SE P 19951129 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS |
| EP 609013 | (ERSTER PRUEFUNGSBESCHEID) |
| EP 609013 | 970722 P 19980401 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| EP 609013 | ZURUECKGENOMMEN GELTEN) |
| EP 609617 | 980626 P 19921201 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 609617 | JP 92321063 A 19921201 P 19930121 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 609617 | JP 938596 A 19930121 P 19930727 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |

| EP 609617 | (EUROPAEISCHE ANMELDUNG) EP 93309619 A 19931201 |
|-----------|---|
| EP 609617 | P 19940810 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| EP 609617 | BE DE FR GB NL P 19940810 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 609617 | P 19940810 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 931214 |
| EP 609617 | |
| EP 609617 | BE DE FR GB NL P 19961211 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VERDE FENTLICHUNG DES RECHERCHENBERICHTS |
| EP 609617 | (ART. 93)) P 19971203 EP 18D DEEMED TO BE WITHDRAWN (ALS ZURUECKGENOMMEN GELTEN) 970612 |
| EP 617531 | |
| EP 617531 | JP 9366461 A 19930325 P 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 617531 | JP 93132984 A 19930510 P 19930924 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 617531 | JP 93261612 A 19930924 P 19940324 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 94302149 A 19940324 |
| EP 617531 | P 19940928 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 617531 | PT SE P 19940928 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 617531 | P 19940928 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 940402 |
| EP 617531 | |
| EP 617531 | P 19971217 EP 18D DEEMED TO BE WITHDRAWN (ALS ZURUECKGENOMMEN GELTEN) 970527 |
| EP 637016 | P 19930727 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 637016 | JP 93205682 A 19930727 P 19931102 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |

| EP 637016 | P | JP 93297504 A 19931102 19931119 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
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| EP 637016 | P | JP 93314114 A 19931119 19940418 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 637016 | Р | JP 94104879 A 19940418 19940707 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 637016 | P | JP 94156089 A 19940707 19940727 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 637016 | P | EP 94305557 A 19940727 19950201 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| EP 637016 | Р | BE CH DE FR GB IT LI NL 19950201 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 637016 | P | |
| EP 637016 | P | 19950830 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| EP 637016 | P | BE CH DE FR GB IT LI NL 19950830 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 637016 | P | 19980408 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 980220 |
| EP 637016 | P | 20000913 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000115017 A 20000724 |
| EP 637016 | P | 2000113017 A 20000724 20001108 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1050879 P |
| EP 637016 | P | 20010307 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1050879 |
| EP 637016 | P | EP 2000115017 A 20000724 20010307 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) |
| EP 637016 | P | BE CH DE FR GB IT LI NL 20010307 EP B1 PATENT SPECIFICATION (PATENTSCHPIET) |
| EP 637016 | P | (PATENTSCHRIFT) 20010315 CH EP/REG ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE) |
| EP 637016 | P | (EINTRITT IN DIE NATIONALE PHASE) 20010315 CH EP/REG ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE) |
| EP 637016 | P | 20010412 EP REF CORRESPONDS TO: (ENTSPRICHT) |
| EP 637016 | P | DE 69426795 P 20010412 20010525 EP ITF IT: TRANSLATION FOR A EP PATENT FILED (IT: DEPOSITO TRADUZIONE DI |

| | | | BREVETTO EUROPEO) |
|------|--------|---|---|
| EP | 637016 | P | SOCIETA' ITALIANA BREVETTI S.P.A. 20010615 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) |
| EP | 637016 | P | 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 |
| ΕP | 637016 | P | 20020227 EP 26N NO OPPOSITION FILED (KEIN |
| EP | 689200 | P | EINSPRUCH EINGELEGT) 19931228 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 93335165 A 19931228 |
| EP | 689200 | P | 19940120 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 9422191 A 19940120 |
| EP | 689200 | P | 19940418 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 94104879 A 19940418 |
| EP | 689200 | P | 19940707 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 94156089 A 19940707 |
| EP | 689200 | P | 19941202 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | |
| EP | 689200 | P | JP 94299508 A 19941202 19941228 EP AA PCT-APPLICATION (PCT-ANMELDUNG) |
| | | _ | WO 94JP2304 W 19941228 |
| EP | 689200 | P | 19941228 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP | 689200 | P | EP 95904033 A 19941228 19951227 EP AK DESIGNATED CONTRACTING |
| | | | STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| | | | DE FR GB IT |
| EP | 689200 | P | 19951227 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER |
| : 00 | 689200 | D | ANMELDUNG MIT RECHERCHENBERICHT) |
| C.P | 009200 | r | FILED (PRUEFUNGSANTRAG GESTELLT) |
| EP | 689200 | P | 951213 19960529 EP AK DESIGNATED CONTRACTING |
| | | | STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: (IN EINEM ERGAENZENDEN |
| | | | RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| ΕP | 689200 | P | DE FR GB IT 19960529 EP A4 SUPPLEMENTARY SEARCH REPORT |
| | 689200 | | (ERGAENZENDER RECHERCHENBERICHT) |
| E.F | 009200 | E | APPLICATION (TITLE PAGE) PUBLISHED |
| | | | (BERICHTIGUNG DER PATENTANMELDUNG (TITELSEITE) ERSCHIENEN) |
| EP | 689200 | P | 951227 19960605 EP RAP1 APPLICANT (CORRECTION) |
| | | | (ANMELDER (KORR.)) MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. |
| ΕP | 689200 | P | 19990120 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) |
| EP | 689200 | P | 981204 20020703 EP RAHF DIVISIONAL APPLICATION (ART |
| | | | <pre>76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))</pre> |
| | | | EP 2002010875 A 20020515 |

| EP 706174 | P | 19940418 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
|------------------------|----------|---|
| EP 706174 | Р | JP 94104879 A 19940418 19941117 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 706174 | P | JP 94283415 A 19941117 19941228 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 706174 | Р | JP 94327963 A 19941228 19950201 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 706174 | P | JP 9515318 A 19950201 19950203 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 706174 | P | (PCT-ANMELDUNG) |
| EP 706174 | P | WO 95JP760 W 19950418 19950418 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 706174 | P | EP 95915345 A 19950418 19960410 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| EP 706174 | P | DE FR GB NL 19960410 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 706174 | P | 19960410 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 951114 |
| EP 706174 | P | |
| DD 706174 | . | DE FR GB NL |
| EP 706174 EP 706174 | P P | 19970702 EP A4 SUPPLEMENTARY SEARCH REPORT (ERGAENZENDER RECHERCHENBERICHT) 19991215 EP 17Q FIRST EXAMINATION REPORT |
| EF /001/4 | Ē | (ERSTER PRUEFUNGSBESCHEID) 19991027 |
| EP 741382 | P | 19941117 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 741382 | P | JP 94283415 A 19941117 19950202 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 741382 | P | JP 9516153 A 19950202 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 741382 | Р | JP 95261247 A 19951009 19951116 EP AA PCT-APPLICATION (PCT-ANMELDUNG) |
| EP 741382 | P | WO 95JP2339 W 19951116 19951116 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 741382 | Р | EP 95938017 A 19951116 19961106 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: |

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|-----------|---|--|
| EP 741382 | Р | DE FR GB 19961106 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER |
| EP 741382 | P | FILED (PRUEFUNGSANTRAG GESTELLT) |
| EP 741382 | Р | 961112 19970702 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: (IN EINEM ERGAENZENDEN RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | DE FR GB |
| | | 19970702 EP A4 SUPPLEMENTARY SEARCH REPORT (ERGAENZENDER RECHERCHENBERICHT) |
| EP 741382 | P | 19990922 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 19990804 |
| EP 741382 | P | 20010606 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| EP 741382 | Р | EP 2001108949 A 20010410 20010801 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1120777 P |
| EP 741382 | P | 20011010 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1120777 |
| EP 741382 | Р | EP 2001108949 A 20010410 20011010 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) |
| EP 741382 | Р | DE FR GB 20011010 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) |
| EP 741382 | Р | 20011115 EP REF CORRESPONDS TO: (ENTSPRICHT) |
| EP 741382 | P | DE 69523139 P 20011115 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 |
| EP 741382 | P | |
| EP 766478 | P | 19910327 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 766478 | Р | JP 9162798 A 19910327 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 766478 | P | JP 9195813 A 19910425 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 766478 | Р | JP 91155650 A 19910529 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 766478 | Р | JP 91182236 A 19910723 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 766478 | Р | JP 9260739 A 19920317 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) |
| EP 766478 | P | EP 92302627 A3 19920326 19920326 EP AE EP-APPLICATION |

| DD 766470 | | (EUROPAEISCHE ANMELDUNG) EP 96119060 A 19920326 |
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| | | 19970402 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 506400 P |
| EP 766478 | P | 19970402 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | DE FR GB NL |
| EP 766478 | P | 19970402 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 766478 | Р | 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| EP 766478 | P | EP 99119266 A 19990928 19991124 EP RAHF DIVISIONAL APPLICATION (ART |
| | | 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 99119278 A 19990928 |
| EP 766478 | P | 19991215 EP RAHF DIVISIONAL APPLICATION (ART |
| | | 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 99119266 A 19990928 |
| EP 766478 | P | 19991215 EP RAHF DIVISIONAL APPLICATION (ART |
| | | 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 99119278 A 19990928 |
| EP 766478 | P | |
| | | 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| EP 766478 | P | EP 99121006 A 19991021 19991215 EP RAHF DIVISIONAL APPLICATION (ART |
| | | 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| EP 766478 | P | EP 99121007 A 19991021 19991215 EP RAHF DIVISIONAL APPLICATION (ART |
| | | 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 99121008 A 19991021 |
| EP 766478 | P | 19991215 EP RAHF DIVISIONAL APPLICATION (ART |
| | | 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 99121024 A 19991021 |
| EP 766478 | P | 19991215 EP RAHF DIVISIONAL APPLICATION (ART |
| | | 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 99121025 A 19991021 |
| EP 766478 | P | 19991215 EP RAHF DIVISIONAL APPLICATION (ART |
| | | 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| EP 766478 | P | |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 973335 P |
| EP 766478 | P | 20000119 EP AK DESIGNATED CONTRACTING |
| | | STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| EP 766478 | Þ | DE FR GB NL 20000119 EP A3 SEPARATE PUBLICATION OF THE |
| 21 700470 | . | SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS |
| EP 766478 | P | (ART. 93)) 20000126 EP AH DIVISIONAL APPLICATION (ART. |
| 11 ,001,0 | - | 76) IN: (TEILANMELDUNG (ART. 76) IN:) |

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EP 975168 P
EP 766478 P
                  20000126 EP AH
                                     DIVISIONAL APPLICATION (ART.
                       76) IN: (TEILANMELDUNG (ART. 76) IN:)
                       EP 975169 P
             P
                  20000126 EP AH
                                      DIVISIONAL APPLICATION (ART.
EP 766478
                       76) IN: (TEILANMELDUNG (ART. 76) IN:)
                       EP 975170 P
EP 766478
             P
                  20000126 EP AH
                                      DIVISIONAL APPLICATION (ART.
                       76) IN: (TEILANMELDUNG (ART. 76) IN:)
                       EP 975171 P
                  20000126 EP AH
                                      DIVISIONAL APPLICATION (ART.
EP 766478
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                       76) IN: (TEILANMELDUNG (ART. 76) IN:)
                       EP 975172 P
                  20000126 EP AH
                                      DIVISIONAL APPLICATION (ART.
EP 766478
                       76) IN: (TEILANMELDUNG (ART. 76) IN:)
                       EP 975173 P
                  20000126 EP AH
                                     DIVISIONAL APPLICATION (ART.
EP 766478
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                       76) IN: (TEILANMELDUNG (ART. 76) IN:)
                       EP 975174 P
                  20000830 EP RAHF DIVISIONAL APPLICATION (ART
EP 766478
             Р
                       76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                       76) IN: (KORR.))
                       975168
                       EP 99119266 A 19990928
EP 766478
                  20000830 EP RAHF DIVISIONAL APPLICATION (ART
                       76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                       76) IN: (KORR.))
                       973335
                       EP 99119278 A 19990928
EP 766478 P
                 20000830 EP RAHF DIVISIONAL APPLICATION (ART
                       76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                       76) IN: (KORR.))
                       975169
                       EP 99121006 A 19991021
EP 766478
                  20000830 EP RAHF DIVISIONAL APPLICATION (ART
                       76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                       76) IN: (KORR.))
                       975170
                       EP 99121007 A 19991021
EP 766478 P
                 20000830 EP RAHF DIVISIONAL APPLICATION (ART
                       76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                       76) IN: (KORR.))
                       975171
                       EP 99121008 A 19991021
EP 766478
             Р
                  20000830 EP RAHF DIVISIONAL APPLICATION (ART
                       76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                       76) IN: (KORR.))
                       975172
                       EP 99121024 A 19991021
EP 766478 P
                 20000830 EP RAHF DIVISIONAL APPLICATION (ART
                       76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                       76) IN: (KORR.))
                       975173
                       EP 99121025 A 19991021
                  20000830 EP RAHF DIVISIONAL APPLICATION (ART
EP 766478
             P
                       76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                       76) IN: (KORR.))
                       975174
                       EP 99121026 A 19991021
                  20000830 EP RAHF DIVISIONAL APPLICATION (ART
EP 766478 P
                       76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                       76) IN: (KORR.))
                                       20000708
                       EP 2000114691 A
                  20000913 EP 17P REQUEST FOR EXAMINATION
EP 766478
                       FILED (PRUEFUNGSANTRAG GESTELLT)
                       20000719
EP 766478 P
                  20001102 EP AH
                                     DIVISIONAL APPLICATION (ART.
                       76) IN: (TEILANMELDUNG (ART. 76) IN:)
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| | | FD 1040224 D |
|-------------|---|--|
| EP 766478 | P | EP 1049334 P 20010321 EP 17Q FIRST EXAMINATION REPORT |
| | | (ERSTER PRUEFUNGSBESCHEID) |
| EP 766478 | P | 20010206 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS |
| EP 766478 | Р | OF 2002-01-01 20020327 EP AC DIVISIONAL APPLICATION (ART. |
| | | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 766478 | P | EP 506400 P 20020327 EP AH DIVISIONAL APPLICATION (ART. |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| EP 766478 | P | EP 975168 P 20020327 EP AH DIVISIONAL APPLICATION (ART. |
| | _ | 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| EP 766478 | Р | EP 975171 P 20020327 EP AH DIVISIONAL APPLICATION (ART. |
| 21 /001/0 | - | 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| EP 766478 | Р | EP 975172 P 20020327 EP AH DIVISIONAL APPLICATION (ART. |
| E1 700470 | - | 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| EP 766478 | P | EP 975173 P 20020327 EP AHF DIVISIONAL APPLICATION (ART. |
| EF /004/0 | F | 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | 975168 EP 99119266 A 19990928 |
| EP 766478 | P | 20020327 EP AHF DIVISIONAL APPLICATION (ART. |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) 973335 |
| | | EP 99119278 A 19990928 |
| EP 766478 | P | |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) 975169 |
| | _ | EP 99121006 A 19991021 |
| EP 766478 | Р | 20020327 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | 975170 |
| EP 766478 | P | EP 99121007 A 19991021 20020327 EP AHF DIVISIONAL APPLICATION (ART. |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | 975171 EP 99121008 A 19991021 |
| EP 766478 | P | 20020327 EP AHF DIVISIONAL APPLICATION (ART. |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) 975172 |
| | | EP 99121024 A 19991021 |
| EP 766478 | Р | 20020327 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | 975173 |
| EP 766478 | P | EP 99121025 A 19991021 20020327 EP AHF DIVISIONAL APPLICATION (ART. |
| 21 / 001/ 0 | - | 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | 975174 EP 99121026 A 19991021 |
| EP 766478 | Р | 20020327 EP AHF DIVISIONAL APPLICATION (ART. |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1049334 |
| | | EP 2000114691 A 20000708 |
| EP 766478 | Р | 20020327 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: |
| | | (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE |
| | | VERTRAGSSTAATEN) DE FR GB NL |
| EP 766478 | Р | 20020327 EP B1 PATENT SPECIFICATION |
| EP 766478 | P | (PATENTSCHRIFT) 20020502 EP REF CORRESPONDS TO: |
| DI 100410 | ī | (ENTSPRICHT) |
| ED 802527 | מ | DE 69232523 P 20020502 19951009 EP AA PRIORITY (PATENT |
| EF 002321 | r | TANATOON DE VIZ. ENTOUTIT (EVIENT |

| APPLICATION) | (PRIORITAET | (PATENTANMELDUNG)) |
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| EP 802527 | P | JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
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| EP 802527 | Р | JP 968910 A 19960123 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 802527 | Р | JP 96211304 A 19960809 19961008 EP AA PCT-APPLICATION (PCT-ANMELDUNG) WO 961P2924 W 19961008 |
| EP 802527 | P | WO 96JP2924 W 19961008 19961008 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 96932845 A 19961008 |
| EP 802527 | Р | |
| EP 802527 | Р | DE FR GB 19971022 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 802527 | P | 19971022 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 970707 |
| EP 802527 | P | 19971210 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: (IN EINEM ERGAENZENDEN RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| EP 802527 | P | DE FR GB 19971210 EP A4 SUPPLEMENTARY SEARCH REPORT (ERGAENZENDER RECHERCHENBERICHT) 971022 |
| EP 802527 | Р | 20000405 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000102965 A 20000211 |
| EP 802527 | P | 20000531 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1005023 P |
| EP 802527 | P | |
| EP 802527 | P | 20000531 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1005025 P |
| EP 802527 | P | 20000531 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1005026 P |
| EP 802527 | P | 20000531 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1005027 P |
| EP 802527 | P | 20000531 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| EP 802527 | Р | EP 1005028 P 20000614 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20000427 |
| EP 802527 | P | |
| EP 802527 | Р | 20010321 EP RTI1 TITEL (CORRECTION) (TITEL (KORR.)) RECORDER FOR OPTICAL DISKS |

| EP | 802527 | P | 20010328 EP RTI1 TITEL (CORRECTION) (TITEL (KORR.)) |
|----|--------|---|--|
| EP | 802527 | P | RECORDER FOR OPTICAL DISKS 20010523 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1005026 P |
| EP | 802527 | P | 20010523 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1005027 P |
| EP | 802527 | P | 20010530 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1005024 P |
| EP | 802527 | P | 20010829 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1005023 |
| EP | 802527 | P | EP 2000102965 A 20000211 20010829 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1005024 |
| EP | 802527 | P | 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1005025 |
| EP | 802527 | P | EP 2000102967 A 20000211 20010829 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1005026 |
| EP | 802527 | P | EP 2000102968 A 20000211 20010829 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1005027 |
| EP | 802527 | P | EP 2000102969 A 20000211 20010829 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1024478 |
| EP | 802527 | P | EP 2000102970 A 20000211 20010829 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1005028 |
| EΡ | 802527 | P | EP 2000102971 A 20000211 20010829 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) |
| EP | 802527 | P | DE FR GB 20010829 EP B1 PATENT SPECIFICATION |
| EP | 802527 | P | (PATENTSCHRIFT) 20011004 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69614823 P 20011004 |
| EP | 802527 | P | 20011207 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) |
| EP | 802527 | P | 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 |
| EP | 802527 | P | 20020102 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1005025 P |
| EP | 802527 | P | 20020102 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1168328 P |
| EP | 802527 | P | 20020424 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1005028 P |
| EP | 802527 | P | |
| EP | 802527 | P | |

| EP 807929 | Р | EP 1005023 P 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
|-------------|---|--|
| EP 807929 | P | JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 807929 | P | JP 968910 A 19960123 19960515 EP AA PCT-APPLICATION (PCT-ANMELDUNG) |
| EP 807929 | Р | WO 96JP1303 W 19960515 19960515 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 96915172 A 19960515 |
| EP 807929 | P | |
| EP 807929 | P | DE FR GB 19971119 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 807929 | P | 19971119 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| EP 807929 | Р | 970918 19971210 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: (IN EINEM ERGAENZENDEN RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| EP 807929 | Р | DE FR GB 19971210 EP A4 SUPPLEMENTARY SEARCH REPORT (ERGAENZENDER RECHERCHENBERICHT) 971022 |
| EP 807929 | Р | 19990922 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) |
| . EP 807929 | P | 19990804 20000322 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| EP 807929 | Р | EP 2000101774 A 20000128 20000412 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| EP 807929 | Р | EP 2000101774 A 20000128 |
| EP 807929 | Р | EP 2000101775 A 20000128 |
| EP 807929 | Р | EP 2000103257 A 20000217 |
| EP 807929 | Р | EP 2000101774 A 20000128 20000503 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| EP 807929 | Р | EP 2000101775 A 20000128 |
| EP 807929 | P | EP 2000103257 A 20000217 |

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76) IN: (KORR.))
                        EP 2000104818 A
                                         20000306
                  20000503 EP RAHF DIVISIONAL APPLICATION (ART
EP 807929
             P
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        EP 2000105014 A
                                         20000309
EP 807929
              Ρ
                   20000517 EP RAHF DIVISIONAL APPLICATION (ART
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        EP 2000101774 A
                                         20000128
                   20000517 EP RAHF DIVISIONAL APPLICATION (ART
EP 807929
              Ρ
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        EP 2000101775 A
                                         20000128
                   20000517 EP RAHF DIVISIONAL APPLICATION (ART
EP 807929
              Ρ
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        EP 2000103257 A
                                         20000217
                   20000517 EP RAHF DIVISIONAL APPLICATION (ART
EP 807929
               Р
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        EP 2000104818 A
                                         20000306
                   20000517 EP RAHF DIVISIONAL APPLICATION (ART
EP 807929
              Ρ
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        EP 2000105014 A
                                         20000309
                   20000517 EP RAHF DIVISIONAL APPLICATION (ART
EP 807929
              Ρ
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        EP 2000106447 A
                                          20000324
                  20000524 EP AH
EP 807929
               Ρ
                                        DIVISIONAL APPLICATION (ART.
                        76) IN: (TEILANMELDUNG (ART. 76) IN:)
                        EP 1003162 P
EP 807929
                   20000531 EP AH
                                        DIVISIONAL APPLICATION (ART.
                        76) IN: (TEILANMELDUNG (ART. 76) IN:)
                        EP 1005033 P
                   20000531 EP AH
                                        DIVISIONAL APPLICATION (ART.
EP 807929
                        76) IN: (TEILANMELDUNG (ART. 76) IN:)
                        EP 1005034 P
                   20000531 EP AH
                                        DIVISIONAL APPLICATION (ART.
EP 807929
                        76) IN: (TEILANMELDUNG (ART. 76) IN:)
                        EP 1005035 P
EP 807929
                   20000607 EP AH
                                        DIVISIONAL APPLICATION (ART.
                        76) IN: (TEILANMELDUNG (ART. 76) IN:)
                        EP 1006516 P
                   20000607 EP AH
EP 807929
                                        DIVISIONAL APPLICATION (ART.
                        76) IN: (TEILANMELDUNG (ART. 76) IN:)
                        EP 1006517 P
EP 807929
               Ρ
                   20000705 EP RAHF
                                        DIVISIONAL APPLICATION (ART
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        1005033
                        EP 2000101774 A 20000128
EP 807929
             Ρ
                   20000705 EP RAHF DIVISIONAL APPLICATION (ART
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                         76) IN: (KORR.))
                         1005034
                        EP 2000101775 A 20000128
EP 807929
               Ρ
                   20000705 EP RAHF DIVISIONAL APPLICATION (ART
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                         76) IN: (KORR.))
                        1003162
                        EP 2000103257 A 20000217
                   20000705 EP RAHF DIVISIONAL APPLICATION (ART
             P
EP 807929
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                         76) IN: (KORR.))
                         1005035
                        EP 2000104818 A 20000306
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20000705 EP RAHF DIVISIONAL APPLICATION (ART
EP 807929
             P
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        1006516
                        EP 2000105014 A 20000309
                  20000705 EP RAHF DIVISIONAL APPLICATION (ART
EP 807929
             P
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        1006517
                        EP 2000106447 A 20000324
                  20000705 EP RAHF DIVISIONAL APPLICATION (ART
EP 807929
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        EP 2000109898 A
                                        20000510
                  20000705 EP RAHF DIVISIONAL APPLICATION (ART
EP 807929
             Ρ
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        EP 2000109899 A
                                        20000510
EP 807929
             P
                  20000705 EP RAHF DIVISIONAL APPLICATION (ART
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        EP 2000110461 A
                                        20000516
EP 807929
              Ρ
                  20000802 EP RAHF DIVISIONAL APPLICATION (ART
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        1005033
                        EP 2000101774 A 20000128
EP 807929 P
                  20000802 EP RAHF DIVISIONAL APPLICATION (ART
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        1005034
                        EP 2000101775 A 20000128
EP 807929
             Р
                  20000802 EP RAHF DIVISIONAL APPLICATION (ART
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        1003162
                        EP 2000103257 A 20000217
EP 807929 P
                  20000802 EP RAHF DIVISIONAL APPLICATION (ART
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        1005035
                        EP 2000104818 A 20000306
                  20000802 EP RAHF DIVISIONAL APPLICATION (ART
EP 807929
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        1006516
                        EP 2000105014 A 20000309
                  20000802 EP RAHF DIVISIONAL APPLICATION (ART
              Ρ
EP 807929
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        1006517
                        EP 2000106447 A 20000324
                  20000802 EP RAHF DIVISIONAL APPLICATION (ART
              Ρ
EP 807929
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        EP 2000109898 A
                                        20000510
                  20000802 EP RAHF DIVISIONAL APPLICATION (ART
EP 807929
              Ρ
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        EP 2000109899 A
                                        20000510
              Ρ
                  20000802 EP RAHF
                                    DIVISIONAL APPLICATION (ART
EP 807929
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        EP 2000110461 A
                                        20000516
                                    DIVISIONAL APPLICATION (ART
EP 807929
                  20000802 EP RAHF
                        76) IN: (CORRECTION) (TEILANMELDUNG (ART.
                        76) IN: (KORR.))
                        EP 2000112310 A 20000608
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| EP 807929 | P | 20000816 EP AH DIVISIONAL APPLICATION (ART. |
|-----------|---|--|
| 21 00.323 | • | 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1028422 P |
| EP 807929 | Р | 20000816 EP AH DIVISIONAL APPLICATION (ART. |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| ED 003000 | D | EP 1028423 P |
| EP 807929 | Р | 20000823 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | EP 1030297 P |
| EP 807929 | P | 20000830 EP AH DIVISIONAL APPLICATION (ART. |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| EP 807929 | P | EP 1031974 P 20000906 EP RIC1 CLASSIFICATION (CORRECTION) |
| EF 00/727 | Ľ | (KLASSIFIKATION (KORR.)) |
| | | 7G 11B 7/007 A, 7G 11B 7/24 B, 7G 06K 19/00 |
| | | B, 7G 11B 20/10 B, 7G 11B 20/00 B, 7G 06F |
| EP 807929 | P | 1/00 B 20000906 EP RTI1 TITEL (CORRECTION) (TITEL |
| B1 007323 | • | (KORR.)) |
| | | OPTICAL DISK PROVIDED WITH BAR CODE |
| EP 807929 | P | 20001102 EP AH DIVISIONAL APPLICATION (ART. |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1003162 P |
| EP 807929 | P | 20001102 EP AH DIVISIONAL APPLICATION (ART. |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| ED 007020 | Б | EP 1005034 P 20001102 EP AH DIVISIONAL APPLICATION (ART. |
| EP 807929 | P | 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | EP 1005035 P |
| EP 807929 | P | |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1005033 |
| | | EP 2000101774 A 20000128 |
| EP 807929 | P | |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | 1005034 EP 2000101775 A 20000128 |
| EP 807929 | Р | |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | 1003162 |
| EP 807929 | P | EP 2000103257 A 20000217 20010228 EP AHF DIVISIONAL APPLICATION (ART. |
| B1 001323 | - | 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | 1005035 |
| ED 007020 | D | EP 2000104818 A 20000306 20010228 EP AHF DIVISIONAL APPLICATION (ART. |
| EP 00/929 | P | 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | 1006516 |
| | _ | EP 2000105014 A 20000309 |
| EP 807929 | Р | 20010228 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | 1006517 |
| | | EP 2000106447 A 20000324 |
| EP 807929 | P | |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1028422 |
| | | EP 2000109898 A 20000510 |
| EP 807929 | P | 20010228 EP AHF DIVISIONAL APPLICATION (ART. |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1028423 |
| | | EP 2000109899 A 20000510 |
| EP 807929 | P | 20010228 EP AHF DIVISIONAL APPLICATION (ART. |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | 1030297 EP 2000110461 A 20000516 |
| EP 807929 | P | 20010228 EP AHF DIVISIONAL APPLICATION (ART. |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | 1031974 |
| | | |

| EP 807929 | P | EP 2000112310 A 20000608 20010228 EP AK DESIGNATED CONTRACTING |
|-----------|---|--|
| | | STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) DE FR GB |
| EP 807929 | P | 20010228 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) |
| EP 807929 | P | 20010405 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69611906 P 20010405 |
| EP 807929 | P | 20010615 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) |
| EP 807929 | P | 20010816 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1031974 P |
| EP 807929 | P | 20010919 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1005033 P |
| EP 807929 | P | 20011121 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1006516 P |
| EP 807929 | Р | 20011128 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1006517 P |
| EP 807929 | P | 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 |
| EP 807929 | P | 20020220 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) |
| EP 833319 | Р | 19930121 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 833319 | P | JP 938596 A 19930121 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 833319 | Р | JP 9392219 A 19930325 19930409 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 833319 | P | JP 93107423 A 19930409 19930727 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 833319 | p | JP 93205682 A 19930727 19931102 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 833319 | P | JP 93297504 A 19931102 19931119 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 833319 | P | JP 93314114 A 19931119 19940119 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 94300402 A3 19940119 |
| EP 833319 | P | 19940119 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 833319 | Р | EP 97118775 A 19940119 19980401 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 833319 | Р | EP 609013 P 19980401 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL

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| EP 833319 | P | PT SE 19980401 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER |
|-----------|----|--|
| EP 833319 | P | ANMELDUNG OHNE RECHERCHENBERICHT) 19980401 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| EP 833319 | P | 971029 19980429 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.)) OSHIMA, MITSUAKI; SHIMIZU, RYOSUKE; KOUDO, |
| EP 833319 | Р | TOSHIKAZU; YOSHIURA, TSUKASA; MATSUURA, TAKUMI; TANAKA, MITIRO; TAN, SATOSHI 20020327 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) |
| EP 833319 | P | 7G 11B 13/04 A, 7G 11B 20/12 B 20020403 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 833319 | P | PT SE 20020403 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS |
| EP 844611 | Р | (ART. 93)) 19930121 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 844611 | P | JP 938596 A 19930121 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 844611 | Р | JP 9392219 A 19930325 19930409 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 844611 | Р | JP 93107423 A 19930409 19930727 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 844611 | P | JP 93205682 A 19930727 19931102 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 844611 | P | JP 93297504 A 19931102 19931119 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 844611 | ·P | JP 93314114 A 19931119 19940119 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) |
| EP 844611 | P | EP 94300403 A3 19940119 19940119 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 844611 | P | EP 98100524 A 19940119 19980527 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 608126 P |
| EP 844611 | P | 19980527 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 844611 | P | PT SE 19980527 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |

| EP 844611 | P | 19980527 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
|-----------|---|--|
| EP 844612 | Р | 980114 19930121 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 844612 | P | JP 938596 A 19930121 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 844612 | P | JP 9392219 A 19930325 19930409 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 844612 | P | JP 93107423 A 19930409 19930727 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 844612 | Р | JP 93205682 A 19930727 19931102 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 844612 | P | JP 93297504 A 19931102 19931119 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 844612 | P | JP 93314114 A 19931119 19940119 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 94300403 A3 19940119 |
| EP 844612 | P | 19940119 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 98100525 A 19940119 |
| EP 844612 | P | 19980527 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 608126 P |
| EP 844612 | Р | |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 844612 | P | 19980527 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 844612 | P | 19980527 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 980114 |
| EP 971345 | P | 19961219 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 971345 | Р | JP 96339304 A 19961219 · 19970122 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 971345 | Р | JP 979318 A 19970122 19970924 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 971345 | Р | JP 97259110 A 19970924 19971217 EP AA PCT-APPLICATION (PCT-ANMELDUNG) |
| EP 971345 | P | WO 97JP4664 W 19971217 19971217 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 971345 | P | EP 97949124 A 19971217 20000112 EP AK DESIGNATED CONTRACTING |

STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

| EP 971345 | WITH SEARCH REPORT (VEROEFFENTLICHUNG DE | |
|-----------|---|------|
| EP 971345 | ANMELDUNG MIT RECHERCHENBERICHT) P 20000112 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) | |
| EP 973335 | 19990719 P 19910327 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG | G)) |
| EP 973335 | JP 9162798 A 19910327 P 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG | G)) |
| EP 973335 | APPLICATION) (PRIORITAET (PATENTANMELDUNG | G)) |
| EP 973335 | JP 91155650 A 19910529 P 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG | G)) |
| EP 973335 | JP 91182236 A 19910723 P 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG | G)) |
| EP 973335 | JP 9260739 A 19920317 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) | |
| EP 973335 | EP 92302627 A3 19920326 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) | |
| EP 973335 | EP 96119060 A3 19920326 P 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) | |
| EP 973335 | EP 99119278 A 19920326 P 20000119 EP AC DIVISIONAL APPLICATION (AT 1992) 76) OF: (TEILANMELDUNG (ART 1992) EP 506400 P | ART. |
| EP 973335 | P 20000119 EP AC DIVISIONAL APPLICATION (ATT. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 766478 P | ART. |
| EP 973335 | P 20000119 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAA) | |
| EP 973335 | DE FR GB NL P 20000119 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DEPENDENT) ANMELDUNG MIT RECHERCHENBERICHT) | |
| EP 973335 | | |
| EP 973335 | P 20001004 EP AKX PAYMENT OF DESIGNATION FOR (NL: KORREKTUREN (TEIL 1 RUBRIK G)) DE FR GB NL | EES |
| EP 973335 | P 20001115 EP K1C3 CORRECTION OF PATENT APPLICATION (COMPLETE REPRINT) PUBLISHED (BERICHTIGUNG DER PATENTANMELDUNG (KOMPLETTNEUDRUCK) ERSCHIENEN) 20000119 | |
| EP 973335 | P 20001206 EP RPR1 PRIORITY (CORRECTION) (PRIORITAET (KORR.)) JP 19910327 6279891 ; JP 19910425 9581391 JP 19910529 15565091 ; JP 19910723 182236 JP 19920317 6073992 | |

| EP | 973335 | P | 20011205 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) |
|------|--------|---|--|
| EP | 975168 | P | 20011018 19910327 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP | 975168 | P | JP 9162798 A 19910327 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP | 975168 | Р | JP 9195813 A 19910425 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP | 975168 | P | JP 91155650 A 19910529 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 91182236 A 19910723 |
| EP | 975168 | P | |
| EP | 975168 | Р | JP 9260739 A 19920317 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) |
| . EP | 975168 | P | EP 92302627 A3 19920326 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) |
| EP | 975168 | P | EP 96119060 A3 19920326 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP | 975168 | P | EP 99119266 A 19920326 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP | 975168 | P | EP 506400 P 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP | 975168 | P | EP 766478 P 20000126 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| EP | 975168 | Р | DE FR GB NL 20000126 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP | 975168 | P | 20000126 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 19991022 |
| EP | 975168 | P | 20001011 EP AKX PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G)) DE FR GB NL |
| EP | 975168 | P | 20001115 EP K1C3 CORRECTION OF PATENT APPLICATION (COMPLETE REPRINT) PUBLISHED (BERICHTIGUNG DER PATENTANMELDUNG (KOMPLETTNEUDRUCK) ERSCHIENEN) 20000126 |
| EP | 975168 | P | 20010418 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20010227 |
| EP | 975168 | Р | 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS |
| EP | 975168 | P | OF 2002-01-01 20020327 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP | 975168 | P | EP 506400 P 20020327 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP | 975168 | P | EP 766478 P 20020327 EP AK DESIGNATED CONTRACTING |

STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) DE FR GB NL

| EP 975168 | DE FR GB NL P 20020327 EP B1 PATENT SPECIFICATION | |
|-----------|--|--|
| | (PATENTSCHRIFT) | |
| EP 975168 | P 20020502 EP REF CORRESPONDS TO: (ENTSPRICHT) | |
| EP 975169 | DE 69232526 P 20020502 P 19910327 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | |
| EP 975169 | JP 9162798 A 19910327 P 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | |
| EP 975169 | JP 9195813 A 19910425 P 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | |
| EP 975169 | JP 91155650 A 19910529 P 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | |
| EP 975169 | JP 91182236 A 19910723 P 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | |
| EP 975169 | JP 9260739 A 19920317 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 92302627 A3 19920326 | |
| EP 975169 | P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) | |
| EP 975169 | EP 96119060 A3 19920326 P 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) | |
| EP 975169 | EP 99121006 A 19920326 P 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) | |
| EP 975169 | EP 506400 P P 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 766478 P | |
| EP 975169 | | |
| EP 975169 | WITH SEARCH REPORT (VEROEFFENTLICHUNG DER | |
| EP 975169 | ANMELDUNG MIT RECHERCHENBERICHT) P 20000126 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) | |
| EP 975169 | 19991021 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G)) DE FR GB NL | |
| EP 975170 | | |
| EP 975170 | JP 9162798 A 19910327 P 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | |
| EP 975170 | JP 9195813 A 19910425 P 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | |

| EP 975170 | JP 91155650 A 19910529 P 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
|-----------|--|
| EP 975170 | JP 91182236 A 19910723 P 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 975170 | JP 9260739 A 19920317 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 92302627 A3 19920326 |
| EP 975170 | |
| EP 975170 | P 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 99121007 A 19920326 |
| EP 975170 | P 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 975170 | EP 506400 P P 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 766478 P |
| EP 975170 | |
| EP 975170 | DE FR GB NL P 20000126 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 975170 | P 20000126 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 19991021 |
| EP 975170 | P 20001011 EP AKX PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G)) DE FR GB NL |
| EP 975171 | |
| EP 975171 | JP 9162798 A 19910327 P 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 975171 | JP 9195813 A 19910425 P 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 975171 | JP 91155650 A 19910529 P 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 975171 | JP 91182236 A 19910723 P 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 975171 | JP 9260739 A 19920317 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 92302627 A3 19920326 |
| EP 975171 | P 92302627 A3 19920326 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 96119060 A3 19920326 |
| EP 975171 | EP 96119060 A3 19920326 P 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 99121008 A 19920326 |

| EP 975171 | P 20000126 EP AC DIVISIONAL APPLICATION (ART. | |
|-----------|---|--|
| | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 506400 P | |
| EP 975171 | | |
| EP 975171 | EP 766478 P P 20000126 EP AK DESIGNATED CONTRACTING | |
| 22 3,01,1 | STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) | |
| | DE FR GB NL | |
| EP 975171 | | |
| 075171 | ANMELDUNG MIT RECHERCHENBERICHT) | |
| EP 975171 | P 20000126 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 19991021 | |
| EP 975171 | P 20001011 EP AKX PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G)) | |
| EP 975171 | DE FR GB NL P 20010418 EP 17Q FIRST EXAMINATION REPORT | |
| | (ERSTER PRUEFUNGSBESCHEID) 20010227 | |
| EP 975171 | P 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 | |
| EP 975171 | P 20020327 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) | |
| | EP 506400 P | |
| EP 975171 | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) | |
| EP 975171 | EP 766478 P P 20020327 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: | |
| | (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE | |
| | VERTRAGSSTAATEN) DE FR GB NL | |
| EP 975171 | | |
| EP 975171 | | |
| EP 975172 | DE 69232527 P 20020502 P 19910327 EP AA PRIORITY (PATENT | |
| EF 9/31/2 | APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | |
| PD 075170 | JP 9162798 A 19910327 | |
| EP 9/51/2 | P 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | |
| • | JP 9195813 A 19910425 | |
| EP 975172 | P 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | |
| | JP 91155650 A 19910529 | |
| EP 975172 | P 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | |
| | JP 91182236 A 19910723 | |
| EP 975172 | | |
| | JP 9260739 A 19920317 | |
| EP 975172 | P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) | |
| | EP 92302627 A3 19920326 | |
| EP 975172 | P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) | |
| EP 975172 | EP 96119060 A3 19920326 P 19920326 EP AE EP-APPLICATION | |
| | | |

| EP 975172 | EP | UROPAEISCHE ANMELDUNG) 99121024 A 19920326 EP AC DIVISIONAL APPLICATION (ART. |
|-----------|------------------------------|---|
| | 76 EP |) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 975172 | 76 | EP AC DIVISIONAL APPLICATION (ART.) OF: (TEILANMELDUNG (ART. 76) AUS:) 766478 P |
| EP 975172 | P 20000126 ST | EP AK DESIGNATED CONTRACTING ATES IN AN APPLICATION WITH SEARCH REPORT: N EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| EP 975172 | P 20000126 WI | FR GB NL EP A1 PUBLICATION OF APPLICATION TH SEARCH REPORT (VEROEFFENTLICHUNG DER MELDUNG MIT RECHERCHENBERICHT) |
| EP 975172 | P 20000301 FI | EP 17P REQUEST FOR EXAMINATION LED (PRUEFUNGSANTRAG GESTELLT) 991021 |
| EP 975172 | P 20001011 (N | EP AKX PAYMENT OF DESIGNATION FEES L: KORREKTUREN (TEIL 1 RUBRIK G)) |
| EP 975172 | P 20010404 (E | FR GB NL EP 17Q FIRST EXAMINATION REPORT RSTER PRUEFUNGSBESCHEID) |
| EP 975172 | P 20020101 | 010222 GB IF02/REG EUROPEAN PATENT IN FORCE AS 2002-01-01 |
| EP 975172 | P 20020327 76 | EP AC DIVISIONAL APPLICATION (ART.) OF: (TEILANMELDUNG (ART. 76) AUS:) 506400 P |
| EP 975172 | P 20020327 76 | EP AC DIVISIONAL APPLICATION (ART. 6) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 975172 | P 20020327 ST (I VE | EP AK DESIGNATED CONTRACTING PATES MENTIONED IN A PATENT SPECIFICATION: N EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE PRTRAGSSTAATEN) FR GB NL |
| EP 975172 | P 20020327 | |
| EP 975172 | P 20020502 (E | E EP REF CORRESPONDS TO: (NTSPRICHT) (69232529 P 20020502 |
| EP 975173 | P 19910327 | |
| EP 975173 | P 19910425 | 9162798 A 19910327 EP AA PRIORITY (PATENT PLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 975173 | P 19910529 | P 9195813 A 19910425 D EP AA PRIORITY (PATENT PLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 975173 | P 19910723 | 991155650 A 19910529 E EP AA PRIORITY (PATENT PPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 975173 | P 19920317 | 91182236 A 19910723 EP AA PRIORITY (PATENT PPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 975173 | P 19920326 (A | 9260739 A 19920317 S EP AA DIVIDED OUT OF AUSSCHEIDUNG AUS) |
| | | 92302627 A3 19920326 |

| EP 975173 | EP 96119060 A3 199203 P 19920326 EP AE EP-AP | |
|-----------|--|---------------------------------------|
| EF 3/31/3 | EUROPAEISCHE ANMELDUNG | |
| 005400 | EP 99121025 A 19920 | |
| EP 975173 | P 20000126 EP AC DIVIS: 76) OF: (TEILANMELDUNG | |
| | EP 506400 P | 5 (MC1. 70) MOS.7 |
| EP 975173 | | |
| | 76) OF: (TEILANMELDUNG EP 766478 P | G (ART. 76) AUS:) |
| EP 975173 | | NATED CONTRACTING |
| | STATES IN AN APPLICATION | |
| | (IN EINER ANMELDUNG BEI | NANNTE VERTRAGSSTAATEN) |
| | DE FR GB NL | |
| EP 975173 | | |
| | WITH SEARCH REPORT (V) ANMELDUNG MIT RECHERCH | |
| EP 975173 | | |
| | FILED (PRUEFUNGSANTRAG | G GESTELLT) |
| EP 975173 | 19991021 P 20001011 EP AKX PAYMEI | NT OF DESIGNATION FEES |
| 21 3.02.0 | (NL: KORREKTUREN (TEIL | |
| EP 975173 | DE FR GB NL | EVANTUATION DEDODE |
| EP 9/31/3 | P 20010418 EP 17Q FIRST (ERSTER PRUEFUNGSBESCHI | |
| | 20010227 | · |
| EP 975173 | P 20020101 GB IF02/REG EUROP | EAN PATENT IN FORCE AS |
| EP 975173 | | IONAL APPLICATION (ART. |
| | 76) OF: (TEILANMELDUNG | |
| EP 975173 | EP 506400 P P 20020327 EP AC DIVIS: | IONAL APPLICATION (ART |
| EF 9/31/3 | 76) OF: (TEILANMELDUNG | |
| 075470 | EP 766478 P | |
| EP 975173 | P 20020327 EP AK DESIGN STATES MENTIONED IN A | |
| | (IN EINER PATENTSCHRIF | |
| | VERTRAGSSTAATEN) DE FR GB NL | |
| EP 975173 | P 20020327 EP B1 PATEN' | r SPECIFICATION |
| | (PATENTSCHRIFT) | |
| EP 975173 | P 20020502 EP REF CORRES (ENTSPRICHT) | SPONDS TO: |
| | DE 69232530 P 20020 | 502 |
| EP 975174 | P 19910327 EP AA PRIOR APPLICATION) (PRIORITA | ITY (PATENT |
| | APPLICATION) (PRIORITA | AEI (PAIENIANMELDUNG)) |
| | JP 9162798 A 199103 | |
| EP 975174 | P 19910425 EP AA PRIOR APPLICATION) (PRIORITA | ITY (PATENT |
| | ALL DICATION) (INTONIT | ALI (TATENTANHEEDONG)) |
| 075474 | JP 9195813 A 199104 | |
| EP 9/51/4 | P 19910529 EP AA PRIOR APPLICATION) (PRIORITA | TTY (PATENT AET (PATENTANMELDUNG)) |
| | | |
| EP 975174 | JP 91155650 A 19910 P 19910723 EP AA PRIOR | |
| EP 9/51/4 | APPLICATION) (PRIORITE | ITY (PATENT AET (PATENTANMELDUNG)) |
| | | |
| FD 975174 | JP 91182236 A 19910 P 19920317 EP AA PRIOR | |
| PE SITTIA | APPLICATION) (PRIORITA | |
| | | |
| EP 975174 | JP 9260739 A 199203 P 19920326 EP AA DIVID | |
| Dr Didii | (AUSSCHEIDUNG AUS) | |
| | EP 92302627 A3 19920 | 326 |
| | | |

| EP 975174 | P | (AUSSCHEIDUNG AUS) |
|------------|----|---|
| EP 975174 | Р | (EUROPAEISCHE ANMELDUNG) |
| EP 975174 | P | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 975174 | P | EP 506400 P 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 766478 P |
| EP 975174 | P | |
| EP 975174 | Р | WITH SEARCH REPORT (VEROEFFENTLICHUNG DER |
| EP 975174 | P | ANMELDUNG MIT RECHERCHENBERICHT) 20000126 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 19991021 |
| EP 975174 | P | |
| EP 1003162 | P | |
| EP 1003162 | P | JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1003162 | Р | (AUSSCHEIDUNG AUS) |
| EP 1003162 | P | EP 96915172 A3 19960515 19960515 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000103257 A 19960515 |
| EP 1003162 | P | |
| EP 1003162 | P | 20000524 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| EP 1003162 | Р | DE FR GB 20000524 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1003162 | P. | · |
| EP 1003162 | P | 20000217 20000913 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20000725 |
| EP 1003162 | P | 20001102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P |
| EP 1003162 | P | 20001102 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) |
| EP 1003162 | P | |
| EP 1003162 | Р | (PATENTSCHRIFT) 20001207 EP REF CORRESPONDS TO: (|

o

| | | | ENTSPRICHT) DE 69610859 P 20001207 |
|----------|---------|--------|--|
| EP : | 1003162 | P | 20010207 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) |
| EP : | 1003162 | P | DE FR GB 20010209 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) |
| EP : | 1003162 | P | 20011024 EP 26N NO OPPOSITION FILED (KEIN |
| EP : | 1003162 | P | EINSPRUCH EINGELEGT) 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 |
| EP : | 1005023 | P | 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP : | 1005023 | Р | JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP : | 1005023 | P | JP 968910 A 19960123 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP : | 1005023 | Р | JP 96211304 A 19960809 19961008 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 96932845 A3 19961008 |
| EP : | 1005023 | P | 19961008 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP : | 1005023 | P | EP 2000102965 A 19961008 20000531 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 802527 P |
| EP : | 1005023 | Р | 20000531 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| EP : | 1005023 | Р | DE FR GB 20000531 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP : | 1005023 | P | 20000531 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| EP : | 1005023 | Р | 20000301 20001115 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.)) OSHIMA, MITSUAKI; GOTOH, YOSHIHO; TANAKA, SHINICHI; KOISHI, KENJI; MORIYA, MITSUROU; |
| EP : | 1005023 | P | TAKEMURA, YOSHINARI 20010110 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) |
| EP : | 1005023 | P | 20001130 20010214 EP AKX PAYMENT OF DESIGNATION FEES |
| FD. | 1005023 | Þ | (ZAHLUNG VON BENENNUNGSGEBUEHREN) DE FR GB 20020522 EP AC DIVISIONAL APPLICATION (ART. |
| <u>.</u> | 1003023 | _ | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 802527 P |
| EP | 1005023 | P | 20020522 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) DE FR GB |
| EP | 1005023 | P | 20020522 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) |
| | | P P | 20020522 GB FG4D/REG EUROPEAN PATENT GRANTED CORRESPONDS TO: |
| i, f | 1000020 | - | (ENTSPRICHT) |
| | | | DE 69621357 P 20020627 |

| EP 1005024 | P 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
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| EP 1005024 | JP 95261247 A 19951009 P 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1005024 | JP 968910 A 19960123 P 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1005024 | (AUSSCHEIDUNG AUS) |
| EP 1005024 | (EUROPAEISCHE ANMELDUNG) |
| EP 1005024 | EP 2000102966 A 19961008 P 20000531 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 802527 P |
| EP 1005024 | , , , _ , |
| EP 1005024 | DE FR GB P 20000531 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1005024 | P 20000531 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| EP 1005024 | 20000301 P 20000927 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.)) OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI |
| EP 1005024 | P 20010110 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) |
| EP 1005024 | 20001130 P 20010214 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) DE FR GB |
| EP 1005024 | P 20010530 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 802527 P |
| EP 1005024 | |
| EP 1005024 | P 20010530 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) |
| EP 1005024 | P 20010705 EP REF CORRESPONDS TO: (ENTSPRICHT) |
| EP 1005024 | |
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| EP 1005025 | EINSPRUCH EINGELEGT) P 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1005025 | JP 95261247 A 19951009 P 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |

| EP | 1005025 | P | JP 968910 A 19960123 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
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| EP | 1005025 | P | JP 96211304 A 19960809 19961008 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 96932845 A3 19961008 |
| EP | 1005025 | P | 19961008 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000102967 A 19961008 |
| EP | 1005025 | P | 20000531 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 802527 P |
| EP | 1005025 | P | 20000531 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| EP | 1005025 | P | DE FR GB 20000531 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP | 1005025 | P | |
| EP | 1005025 | P | 20001115 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.)) OSHIMA, MITSUAKI; GOTOH, YOSHIHO; TANAKA, SHINICHI; KOISHI, KENJI; MORIYA, MITSUROU; TAKEMURA, YOSHINARI |
| EP | 1005025 | P | |
| ΕP | 1005025 | P | 20010214 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) DE FR GB |
| ΕP | 1005025 | P | 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 |
| EP | 1005025 | P | 20020102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 802527 P |
| EP | 1005025 | P | |
| EP | 1005025 | P | 20020102 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) |
| EP | 1005025 | P | 20020228 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69618672 P 20020228 |
| EP | 1005026 | P | 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP | 1005026 | P | JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| ЕP | 1005026 | P | JP 968910 A 19960123 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP | 1005026 | P | JP 96211304 A 19960809 19961008 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) |
| EP | 1005026 | P | EP 96932845 A3 19961008 19961008 EP AE EP-APPLICATION |

| | | (EUROPAEISCHE ANMELDUNG) |
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| 1005006 | | EP 2000102968 A 19961008 |
| EP 1005026 | Ъ | 20000531 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| | | EP 802527 P |
| EP 1005026 | P | |
| | | STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| | | (IN EINER AMMEDDONG DENAMNTE VERTRAGSSTAATEN) |
| | | DE FR GB |
| EP 1005026 | P | 20000531 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER |
| | | ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1005026 | P | 20000531 EP 17P REQUEST FOR EXAMINATION |
| | | FILED (PRUEFUNGSANTRAG GESTELLT) |
| EP 1005026 | P | 20000301 20001115 EP RIN1 INVENTOR (CORRECTION) |
| B1 1003020 | - | (ERFINDER (KORR.)) |
| | | OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, |
| | | SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI |
| EP 1005026 | P | |
| | | (KORR.)) |
| EP 1005026 | g | OPTICAL RECORDER 20010110 EP 17Q FIRST EXAMINATION REPORT |
| ы 1003020 | - | (ERSTER PRUEFUNGSBESCHEID) |
| | | 20001130 |
| EP 1005026 | Р | 20010214 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) |
| | | DE FR GB |
| EP 1005026 | P | |
| • | | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 802527 P |
| EP 1005026 | Р | |
| | | STATES MENTIONED IN A PATENT SPECIFICATION: |
| | | (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) |
| | | DE FR GB |
| EP 1005026 | P | |
| | | (PATENTSCHRIFT) |
| EP 1005026 | Р | · · · · · · · · · · · · · · · · · · · |
| EP 1005026 | Р | 20010628 EP REF CORRESPONDS TO: (ENTSPRICHT) |
| | | 20010628 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69613010 P 20010628 |
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| EP 1005026 EP 1005026 EP 1005027 EP 1005027 | P P P P | 20010628 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69613010 P 20010628 20010727 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 20020522 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 968910 A 19960123 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 96211304 A 19960809 19961008 EP AA DIVIDED OUT OF |
| EP 1005026 EP 1005026 EP 1005027 EP 1005027 EP 1005027 | P P P P | 20010628 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69613010 P 20010628 20010727 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 20020522 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 968910 A 19960123 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 96211304 A 19960809 19961008 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 96932845 A3 19961008 19961008 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
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| | | 76) OF. (TELLANMELDING (ART 76) AUG.) |
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| | | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 802527 P |
| EP 1005027 | P | 20000531 EP AK DESIGNATED CONTRACTING |
| | | STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| | | (IN EINER ANMELDONG BENANNIE VERTRAGSSTAATEN) |
| | | DE FR GB |
| EP 1005027 | P | 20000531 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER |
| | | ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1005027 | P | 20000531 EP 17P REQUEST FOR EXAMINATION |
| | | FILED (PRUEFUNGSANTRAG GESTELLT) |
| EP 1005027 | P | 20000301 20001115 EP RIN1 INVENTOR (CORRECTION) |
| | - | (ERFINDER (KORR.)) |
| | | OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, |
| | | SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI |
| EP 1005027 | P | |
| | | (KORR.)) |
| EP 1005027 | P | OPTICAL RECORDER 20010110 EP 17Q FIRST EXAMINATION REPORT |
| EF 1003027 | Ľ | (ERSTER PRUEFUNGSBESCHEID) |
| | | 20001130 |
| EP 1005027 | P | 20010214 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) |
| | | DE FR GB |
| EP 1005027 | P | , |
| | | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 802527 P |
| EP 1005027 | P | |
| 21 100002 | - | STATES MENTIONED IN A PATENT SPECIFICATION: |
| | | (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE |
| | | VERTRAGSSTAATEN) DE FR GB |
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| EP 1005027 | P | |
| | | 20010523 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) |
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| | P | 20010523 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) 20010628 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69613011 P 20010628 20010727 EP ET FR: TRANSLATION FILED (FR: |
| EP 1005027 | P P | 20010523 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) 20010628 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69613011 P 20010628 20010727 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) |
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| EP 1005027 EP 1005027 EP 1005027 EP 1005027 EP 1005028 | P P P | 20010523 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) 20010628 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69613011 P 20010628 20010727 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 20020522 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 95261247 A 19951009 |
| EP 1005027 EP 1005027 EP 1005027 EP 1005027 EP 1005028 | P P P | 20010523 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) 20010628 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69613011 P 20010628 20010727 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 20020522 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1005027 EP 1005027 EP 1005027 EP 1005027 EP 1005028 | P P P | 20010523 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) 20010628 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69613011 P 20010628 20010727 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 20020522 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1005027 EP 1005027 EP 1005027 EP 1005028 EP 1005028 | P P P P | 20010523 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) 20010628 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69613011 P 20010628 20010727 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 20020522 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 968910 A 19960123 |
| EP 1005027 EP 1005027 EP 1005027 EP 1005028 EP 1005028 | P P P P | 20010523 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) 20010628 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69613011 P 20010628 20010727 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 20020522 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1005027 EP 1005027 EP 1005027 EP 1005028 EP 1005028 | P P P P | 20010523 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) 20010628 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69613011 P 20010628 20010727 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 20020522 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 968910 A 19960123 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1005027 EP 1005027 EP 1005027 EP 1005028 EP 1005028 | P P P P | 20010523 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) 20010628 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69613011 P 20010628 20010727 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 20020522 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 968910 A 19960123 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 96810 A 19960123 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1005027 EP 1005027 EP 1005027 EP 1005028 EP 1005028 | P P P P | 20010523 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) 20010628 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69613011 P 20010628 20010727 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 20020522 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 968910 A 19960123 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 96211304 A 19960809 19961008 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) |
| EP 1005027 EP 1005027 EP 1005027 EP 1005028 EP 1005028 EP 1005028 | P P P P | 20010523 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) 20010628 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69613011 P 20010628 20010727 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 20020522 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 968910 A 19960123 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 96211304 A 19960809 19961008 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 96932845 A3 19961008 |
| EP 1005027 EP 1005027 EP 1005027 EP 1005028 EP 1005028 | P P P P | 20010523 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) 20010628 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69613011 P 20010628 20010727 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 20020522 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 968910 A 19960123 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 96211304 A 19960809 19961008 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 96932845 A3 19961008 19961008 EP AE EP-APPLICATION |
| EP 1005027 EP 1005027 EP 1005027 EP 1005028 EP 1005028 EP 1005028 EP 1005028 | P P P P | 20010523 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) 20010628 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69613011 P 20010628 20010727 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 20020522 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 968910 A 19960123 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 96211304 A 19960809 19961008 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 96932845 A3 19961008 19961008 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000102971 A 19961008 |
| EP 1005027 EP 1005027 EP 1005027 EP 1005028 EP 1005028 EP 1005028 | P P P P | 20010523 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) 20010628 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69613011 P 20010628 20010727 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 20020522 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 968910 A 19960123 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 96211304 A 19960123 19961008 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 96932845 A3 19961008 19961008 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000102971 A 19961008 20000531 EP AC DIVISIONAL APPLICATION (ART. |
| EP 1005027 EP 1005027 EP 1005027 EP 1005028 EP 1005028 EP 1005028 EP 1005028 | P P P P | 20010523 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) 20010628 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69613011 P 20010628 20010727 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 20020522 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 968910 A 19960123 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 96211304 A 19960809 19961008 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 96932845 A3 19961008 19961008 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000102971 A 19961008 |

STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

| EP 1005028 | DE FR GB P 20000531 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
|--------------------------|--|
| EP 1005028 | · |
| EP 1005028 | |
| EP 1005028 | · |
| EP 1005028 | P 20010214 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) DE FR GB |
| EP 1005028 | P 20011004 EP RTI1 TITLE (CORRECTION) (TITEL (KORR.)) OPTICAL RECORDER AND OPTICAL RECORDING METHOD |
| EP 1005028 | OF 2002-01-01 |
| EP 1005028 | P 20020424 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 802527 P |
| EP 1005028 | P 20020424 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) DE FR GB |
| EP 1005028 | P 20020424 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) |
| EP 1005028 EP 1005028 | P 20020424 GB FG4D/REG EUROPEAN PATENT GRANTED P 20020529 EP REF CORRESPONDS TO: (ENTSPRICHT) |
| EP 1005033 | DE 69620919 P 20020529 P 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1005033 | JP 95261247 A 19951009 P 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1005033 | JP 968910 A 19960123 P 19960515 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 96915172 A3 19960515 |
| EP 1005033 | |
| EP 1005033 | |
| EP 1005033 | |
| EP 1005033 | DE FR GB P 20000531 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1005033 | |

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|----------|---------|---|-----------------|--------------------|-------------|--------|-------------|--------------|
| EP | 1005033 | Р | 20010214 | | PAYMEN | NT OF | DESIGNATION | FEES |
| | | | • | HLUNG VON FR GB | BENENNUNGS | GEBUE | HREN) | |
| EP | 1005033 | P | | | FIRST | EXAMI | NATION REPO | RT |
| | | | • | | FUNGSBESCHE | EID) | | |
| гD | 1005033 | P | 200 20010919 | 10316 FP AC | ופזעזמ | ΓΩΝΆΤ. | APPLICATION | / ART |
| <u> </u> | 1003033 | E | | | | | . 76) AUS:) | (211(1) |
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| | | EP 807929 P |
|------------|---|--|
| EP 1005033 | P | 20010919 EP AK DESIGNATED CONTRACTING |
| | | STATES MENTIONED IN A PATENT SPECIFICATION: |
| | | (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE |
| | | VERTRAGSSTAATEN) |
| | | DE FR GB |
| | | |

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|----|---------|---|-----------------|----------------------|
| ΕP | 1005033 | P | 20010919 EP B1 | PATENT SPECIFICATION |
| | | | (PATENTSCHRIFT) | |
| | | | | |
| EP | 1005033 | Ρ | 20011025 EP REF | CORRESPONDS TO: |
| | | | (PMMCDDICUM) | |
| | | | (ENTSPRICHT) | |

DE 69615418 P 20011025
EP 1005033 P 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS
OF 2002-01-01

EP 1005033 P 20020125 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)

EP 1005034 P 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009
EP 1005034 P 19960123 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123
EP 1005034 P 19960515 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 96915172 A3 19960515

EP 1005034 P 19960515 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000101775 A 19960515

EP 1005034 P 20000531 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 807929 P

EP 1005034 P 20000531 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITH SEARCH REPORT:
(IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

DE FR GB
EP 1005034 P 20000531 EP AX ERSTRECKUNG DES
EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON
BENENNUNGSGEBUEHREN)
AL;LT;LV;SI

EP 1005034 P 20000531 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 1005034 P 20000531 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000128

EP 1005034 P 20000913 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20000725

EP 1005034 P 20001102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 807929 P

EP 1005034 P 20001102 EP AK DESIGNATED CONTRACTING
STATES MENTIONED IN A PATENT SPECIFICATION:
(IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE
VERTRAGSSTAATEN)

DE FR GB

EP 1005034 P 20001102 EP B1 PATENT SPECIFICATION (

| | | | PATENTSCHRIFT) | | | | |
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| P | 1005034 | Р | 20001207 | EP REF | CORRESPOND | | |

| | | | PATENTSCHRIFT) |
|----|---------|---|--|
| ΕP | 1005034 | P | |
| | | | DE 69610860 P 20001207 |
| EP | 1005034 | Р | 20010209 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) |
| EP | 1005034 | P | 20010214 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) DE FR GB |
| EP | 1005034 | P | 20011024 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) |
| EP | 1005034 | P | 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 |
| EP | 1005035 | P | 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP | 1005035 | P | JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP | 1005035 | P | JP 968910 A 19960123 19960515 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) |
| EP | 1005035 | P | EP 96915172 A3 19960515 19960515 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 2000104818 A 19960515 |
| EP | 1005035 | P | 20000531 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P |
| EP | 1005035 | P | 20000531 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC |
| EP | 1005035 | P | NL PT SE 20000531 EP AX ERSTRECKUNG DES |
| | | | EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON BENENNUNGSGEBUEHREN) AL;LT;LV;SI |
| EP | 1005035 | P | 20000531 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER |
| FP | 1005035 | P | ANMELDUNG MIT RECHERCHENBERICHT) 20000531 EP 17P REQUEST FOR EXAMINATION |
| D. | 1003033 | - | FILED (PRUEFUNGSANTRAG GESTELLT) 20000306 |
| EP | 1005035 | P | 20000913 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) |
| ΕP | 1005035 | P | 20000725 20001102 EP AC DIVISIONAL APPLICATION (ART. |
| | | | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P |
| EP | 1005035 | P | 20001102 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) DE FR GB |
| EP | 1005035 | P | 20001102 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) |
| EP | 1005035 | P | 20001207 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69610861 P 20001207 |
| EP | 1005035 | P | 20001213 IE FG4D/REG EUROPEAN PATENTS GRANTED DESIGNATING IRELAND |
| EP | 1005035 | P | 20010209 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) |
| EP | 1005035 | P | 20010214 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) |
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| EP 1005035 | DE FR GB P 20011024 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) |
| EP 1005035 | |
| EP 1005035 EP 1006516 | |
| EP 1006516 | JP 95261247 A 19951009 P 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | JP 968910 A 19960123 |
| EP 1006516 | P 19960515 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 96915172 A3 19960515 |
| EP 1006516 | P 19960515 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000105014 A 19960515 |
| EP 1006516 | P 20000607 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P |
| EP 1006516 | |
| | DE FR GB |
| EP 1006516 | P 20000607 EP AX ERSTRECKUNG DES EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON BENENNUNGSGEBUEHREN) |
| EP 1006516 | WITH SEARCH REPORT (VEROEFFENTLICHUNG DER |
| EP 1006516 | ANMELDUNG MIT RECHERCHENBERICHT) P 20000607 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000309 |
| EP 1006516 | P 20010221 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) DE FRÜGB |
| EP 1006516 | |
| EP 1006516 | DE FR GB P 20010613 EP 17Q FIRST EXAMINATION REPORT |
| | (ERSTER PRUEFUNGSBESCHEID) 20010427 |
| EP 1006516 | P 20011121 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P |
| EP 1006516 | P 20011121 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) DE FR GB |
| EP 1006516 | P 20011121 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) |
| EP 1006516 | P 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 |
| EP 1006516 | P 20020221 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69618633 P 20020221 |
| EP 1006516 | P 20020412 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) |
| EP 1006517 | P 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
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| EP 1006517 | P | 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
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| EP 1006517 | P | JP 968910 A 19960123 19960515 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) |
| EP 1006517 | P | EP 96915172 A3 19960515 19960515 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 1006517 | P | EP 2000106447 A 19960515 20000607 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 1006517 | Р | EP 807929 P 20000607 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| EP 1006517 | P | EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON BENENNUNGSGEBUEHREN) |
| EP 1006517 | P | AL;LT;LV;SI 20000607 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1006517 | P | 20000607 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000324 |
| EP 1006517 | P | 20010221 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) DE FR GB |
| EP 1006517 | P | 20010718 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20010605 |
| EP 1006517 | P | 20011128 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P |
| EP 1006517 | P | 20011128 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) DE FR GB |
| EP 1006517 | P | |
| EP 1006517 | P | |
| EP 1006517 | P | 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 |
| EP 1006517 | P | 20020110 EP REF CORRESPONDS TO: (ENTSPRICHT) |
| EP 1006517 | Р | DE 69617478 P 20020110 20020510 EP ET FR: TRANSLATION FILED (FR: |
| EP 1024478 | P | TRADUCTION A ETE REMISE) 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1024478 | P | JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1024478 | P | JP 968910 A 19960123 19960809 EP AA PRIORITY (PATENT |

APPLICATION) (PRIORITAET (PATENTANMELDUNG))

| EP 1024478 | P | JP 96211304 A 19960809 19961008 EP AA DIVIDED OUT OF |
|------------|---|--|
| | | (AUSSCHEIDUNG AUS) EP 96932845 A3 19961008 |
| EP 1024478 | P | |
| | | EP 2000102970 A 19961008 |
| EP 1024478 | P | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 1024478 | P | EP 802527 P 20000802 EP AK DESIGNATED CONTRACTING |
| | | STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| | | DE FR GB |
| EP 1024478 | P | WITH SEARCH REPORT (VEROEFFENTLICHUNG DER |
| | _ | ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1024478 | P | FILED (PRUEFUNGSANTRAG GESTELLT) |
| EP 1024478 | D | 20000301 20001115 EP RIN1 INVENTOR (CORRECTION) |
| EP 1024476 | P | (ERFINDER (KORR.)) |
| | | OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, |
| | | SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; |
| EP 1024478 | p | TAKEMURA, YOSHINARI 20001129 EP 17Q FIRST EXAMINATION REPORT |
| 2. 10211.0 | - | (ERSTER PRUEFUNGSBESCHEID) |
| 1001170 | _ | 20001011 |
| EP 1024478 | Р | 20010418 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) |
| | | DE FR GB |
| EP 1024478 | P | |
| | | 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| | | EP 2001120681 A 20010903 |
| EP 1024478 | P | 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 |
| EP 1024478 | Р | |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| EP 1024478 | P | EP 1168328 P 20020502 EP AC DIVISIONAL APPLICATION (ART. |
| EF 1024470 | r | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| | _ | EP 802527 P |
| EP 1024478 | Р | 20020502 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | 1168328 |
| | _ | EP 2001120681 A 20010903 |
| EP 1024478 | Р | 20020502 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: |
| | | (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE |
| | | VERTRAGSSTAATEN) |
| EP 1024478 | Þ | DE FR GB 20020502 EP B1 PATENT SPECIFICATION |
| | | (PATENTSCHRIFT) |
| EP 1024478 | | |
| EP 1024478 | P | 20020606 EP REF CORRESPONDS TO: (ENTSPRICHT) |
| | | DE 69621053 P 20020606 |
| EP 1028422 | Р | |
| | | APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 95261247 A 19951009 |
| EP 1028422 | P | 19960123 EP AA PRIORITY (PATENT |
| | | APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |

| | | JP 968910 A 19960123 |
|------------|---|--|
| EP 1028422 | P | 19960515 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 96915172 A3 19960515 |
| EP 1028422 | P | |
| EP 1028422 | Р | EP 2000109898 A 19960515 20000816 EP AC DIVISIONAL APPLICATION (ART. |
| EP 1028422 | P | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P 20000816 EP AK DESIGNATED CONTRACTING |
| | | STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| EP 1028422 | P | WITH SEARCH REPORT (VEROEFFENTLICHUNG DER |
| EP 1028422 | P | ANMELDUNG MIT RECHERCHENBERICHT) 20000816 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| EP 1028422 | P | 20000510 20010502 EP AKX PAYMENT OF DESIGNATION FEES |
| ED 1020422 | D | (ZAHLUNG VON BENENNUNGSGEBUEHREN) DE FR GB 20010704 EP 17Q FIRST EXAMINATION REPORT |
| EP 1028422 | P | (ERSTER PRUEFUNGSBESCHEID) 20010516 |
| EP 1028423 | P | |
| EP 1028423 | P | JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1028423 | P | JP 968910 A 19960123 19960515 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) |
| EP 1028423 | P | EP 96915172 A3 19960515 19960515 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 1028423 | P | EP 2000109899 A 19960515 20000816 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 1028423 | P | EP 807929 P 20000816 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: |
| | | (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) DE FR GB |
| EP 1028423 | P | |
| EP 1028423 | P | 20000816 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| EP 1028423 | P | 20000510 20001227 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) |
| EP 1028423 | Р | (ZAHLUNG VON BENENNUNGSGEBUEHREN) |
| EP 1030297 | P | DE FR GB 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1030297 | Р | JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 968910 A 19960123 |

| EP 1030297 | AUSS | EP AA DIVIDED OUT OF (CHEIDUNG AUS) |
|------------|--------------------|---|
| EP 1030297 | P 19960515 (EUR | 6915172 A3 19960515 EP AE EP-APPLICATION OPAEISCHE ANMELDUNG) |
| EP 1030297 | P 20000823 76) | 000110461 A 19960515 EP AC DIVISIONAL APPLICATION (ART. OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 1030297 | P 20000823 STAT | 07929 P EP AK DESIGNATED CONTRACTING ES IN AN APPLICATION WITH SEARCH REPORT: EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| EP 1030297 | EURO BENE | R GB EP AX ERSTRECKUNG DES PAEISCHEN PATENTS AUF (ZAHLUNG VON NNUNGSGEBUEHREN) T;LV;SI |
| EP 1030297 | P 20000823 WITH | EP A1 PUBLICATION OF APPLICATION SEARCH REPORT (VEROEFFENTLICHUNG DER LDUNG MIT RECHERCHENBERICHT) |
| EP 1030297 | P 20000823 FILE | EDUNG MIT RECHERCHENBERICHT) EP 17P REQUEST FOR EXAMINATION D (PRUEFUNGSANTRAG GESTELLT) 0519 |
| EP 1030297 | P 20010418 | EP 17Q FIRST EXAMINATION REPORT TER PRUEFUNGSBESCHEID) |
| EP 1030297 | P 20010509 (ZAH | EP AKX PAYMENT OF DESIGNATION FEES LUNG VON BENENNUNGSGEBUEHREN) R GB |
| EP 1031974 | P 19951009 | EP AA PRIORITY (PATENT ICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1031974 | P 19960123 | 5261247 A 19951009 EP AA PRIORITY (PATENT ICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1031974 | P 19960515 (AUS | SCHEIDUNG AUS) |
| EP 1031974 | P 19960515 (EUR | 6915172 A3 19960515 EP AE EP-APPLICATION OPAEISCHE ANMELDUNG) 000112310 A 19960515 |
| EP 1031974 | P 20000830 76) | EP AC DIVISIONAL APPLICATION (ART. OF: (TEILANMELDUNG (ART. 76) AUS:) 07929 P |
| EP 1031974 | P 20000830 STAT | EP AK DESIGNATED CONTRACTING ES IN AN APPLICATION WITH SEARCH REPORT: EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| EP 1031974 | P 20000830 WITH | R GB EP A1 PUBLICATION OF APPLICATION SEARCH REPORT (VEROEFFENTLICHUNG DER |
| EP 1031974 | P 20000830 FILE | LDUNG MIT RECHERCHENBERICHT) EP 17P REQUEST FOR EXAMINATION D (PRUEFUNGSANTRAG GESTELLT) |
| EP 1031974 | P 20001227 (ERS | 0608 EP 17Q FIRST EXAMINATION REPORT TER PRUEFUNGSBESCHEID) |
| EP 1031974 | P 20010516 (ZAH | 1113 EP AKX PAYMENT OF DESIGNATION FEES LUNG VON BENENNUNGSGEBUEHREN) |
| EP 1031974 | P 20010816 76) | R GB EP AC DIVISIONAL APPLICATION (ART. OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 1031974 | | 07929 P EP AK DESIGNATED CONTRACTING |

STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN)

DE FR GB

| EP 1031974 | P 20 | DE FR GB 010816 EP B1 PATENT SPECIFICATION |
|------------|------|---|
| EP 1031974 | P 20 | (PATENTSCHRIFT) 010920 EP REF CORRESPONDS TO: |
| EP 1031974 | | (ENTSPRICHT) |
| EP 1031974 | P 20 | DE 69614580 P 20010920 011228 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) |
| EP 1031974 | P 20 | 020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 |
| EP 1035693 | P 19 | 920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035693 | P 19 | JP 92256070 A 19920925 930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035693 | P 19 | JP 9366461 A 19930325 930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035693 | P 19 | JP 93132984 A 19930510 930924 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) |
| EP 1035693 | P 19 | EP 93307575 A3 19930924 930924 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000114572 A 19930924 |
| EP 1035693 | P 20 | 000913 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 589709 P |
| EP 1035693 | P 20 | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1035693 | P 20 | 000913 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1035693 | P 20 | 001011 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| EP 1035693 | P 20 | 20000714 001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1035693 | P 20 | 001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1035693 | P 20 | 010822 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 1035693 | P 20 | PT SE 010919 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) |
| EP 1035693 | P 20 | 20010806 020410 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B |

| EP 1035694 | P | 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
|------------|---|---|
| EP 1035694 | P | JP 92256070 A 19920925 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035694 | Р | JP 9366461 A 19930325 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035694 | P | JP 93132984 A 19930510 19930924 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 93307575 A3 19930924 |
| EP 1035694 | P | 19930924 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000114573 A 19930924 |
| EP 1035694 | P | 20000913 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 589709 P |
| EP 1035694 | P | 20000913 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1035694 | P | 20000913 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1035694 | P | 20001011 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000714 |
| EP 1035694 | P | 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1035694 | P | 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1035694 | P | 20001206 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B |
| EP 1035694 | P | 20010822 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 1035694 | P | PT SE 20010919 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20010806 |
| EP 1035694 | P | 20020410 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 |
| EP 1035695 | Р | B, 7H 04L 27/34 B 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035695 | P | JP 92256070 A 19920925 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |

JP 9366461 A 19930325

| EP 1035695 | P | 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
|------------|---|--|
| EP 1035695 | Р | AUSSCHEIDUNG AUS) |
| EP 1035695 | Р | EP 93307575 A3 19930924 19930924 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000114575 A 19930924 |
| EP 1035695 | P | |
| EP 1035695 | P | |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1035695 | P | 20000913 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1035695 | Р | |
| EP 1035695 | Р | |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1035695 | P | 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS |
| EP 1035695 | Р | (ART. 93)) 20001206 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B |
| EP 1035695 | Р | 20010822 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1035695 | P | 20010919 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20010806 |
| EP 1035695 | Р | |
| EP 1035696 | P | |
| EP 1035696 | P | APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035696 | P | JP 9366461 A 19930325 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035696 | P | JP 93132984 A 19930510 19930924 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 93307575 A3 19930924 |
| EP 1035696 | P | |

| EP 1035696 | P | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
|------------|----|---|
| EP 1035696 | Р | EP 589709 P 20000913 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1035696 | P | 20000913 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1035696 | P | 20001011 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000714 |
| EP 1035696 | P | 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1035696 | P | 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1035696 | p. | 20001206 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B |
| EP 1035696 | P | • |
| EP 1035696 | P | |
| EP 1035696 | P | |
| EP 1035696 | P | 20020417 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 |
| EP 1035696 | P | (KORR.)) |
| EP 1035697 | Р | MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035697 | Р | JP 92256070 A 19920925 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035697 | P | JP 9366461 A 19930325 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035697 | P | JP 93132984 A 19930510 19930924 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 93307575 A3 19930924 |
| EP 1035697 | P | |

| EP 1035697 | EP 2000114578 A 19930924 P 20000913 EP AC DIVISIONAL APPLICATION (ART 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 589709 P | • |
|------------|--|----|
| EP 1035697 | P 20000913 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) | |
| | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE | 1 |
| EP 1035697 | P 20000913 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DE ANMELDUNG OHNE RECHERCHENBERICHT) | R |
| EP 1035697 | P 20001011 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000714 | |
| EP 1035697 | | |
| | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE | |
| EP 1035697 | P 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) | ı |
| EP 1035697 | P 20001206 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B | |
| EP 1035697 | | |
| EP 1035697 | | |
| EP 1035697 | P 20020410 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B | |
| EP 1035698 | | |
| EP 1035698 | JP 92256070 A 19920925 P 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | |
| EP 1035698 | JP 9366461 A 19930325 P 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 93132984 A 19930510 | |
| EP 1035698 | P 19930924 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 93307575 A3 19930924 | |
| EP 1035698 | | |
| EP 1035698 | P 20000913 EP AC DIVISIONAL APPLICATION (ART 76) OF: (TEILANMELDUNG (ART. 76) AUS:) | ٠. |
| EP 1035698 | EP 589709 P P 20000913 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) | |

| | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
|------------|--|
| EP 1035698 | WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER |
| EP 1035698 | |
| | FILED (PRUEFUNGSANTRAG GESTELLT) 20000714 |
| EP 1035698 | P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1035698 | P 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS |
| EP 1035698 | (ART. 93)) P 20001206 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 |
| | B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B |
| EP 1035698 | P 20010822 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 1035698 | (ERSTER PRUEFUNGSBESCHEID) |
| EP 1035698 | (KLASSIFIKATION (KORR.)) |
| EP 1039672 | 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | JP 92256070 A 19920925 |
| EP 1039672 | P 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1039672 | JP 9366461 A 19930325 P 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1039672 | JP 93132984 A 19930510 P 19930924 EP AA DIVIDED OUT OF |
| 51 100,012 | (AUSSCHEIDUNG AUS) EP 93307575 A3 19930924 |
| EP 1039672 | P 19930924 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000114576 A 19930924 |
| EP 1039672 | |
| EP 1039672 | |
| | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 1039672 | PT SE P 20000927 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER |
| EP 1039672 | ANMELDUNG OHNE RECHERCHENBERICHT) P 20000927 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712 |
| | 20000,12 |

| EP 1039672 | P | 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
|------------|---|--|
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 1039672 | P | SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS |
| EP 1039672 | Р | (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N |
| EP 1039672 | Р | (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 1039672 | P | PT SE 20010919 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20010806 |
| EP 1039672 | Р | 20020410 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 |
| EP 1039673 | P | B, 7H 04L 27/34 B 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1039673 | Р | JP 9267934 A 19920326 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1039673 | P | (AUSSCHEIDUNG AUS) |
| EP 1039673 | P | EP 93302369 A3 19930326 19930326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000114689 A 19930326 |
| EP 1039673 | P | |
| EP 1039673 | P | 20000927 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1039673 | P | |
| EP 1039673 | P | |
| EP 1039673 | Р | |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 1039673 | P | PT SE 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1039673 | P | |

| ED 1020672 | D | 20010412 20010822 EP AKX PAYMENT OF DESIGNATION FEES |
|------------|---|---|
| EP 1039673 | P | (ZAHLUNG VON BENENNUNGSGEBUEHREN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| ED 1020672 | ъ | PT SE 20010919 EP RIC1 CLASSIFICATION (CORRECTION) |
| EP 1039673 | P | (KLASSIFIKATION (KORR.)) |
| | | 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18 |
| BD 1020672 | ъ | B, 7H 04L 27/26 B, 7H 04L 27/34 B 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS |
| EP 1039673 | P | OF 2002-01-01 |
| EP 1039673 | P | 20020424 EP AC DIVISIONAL APPLICATION (ART. |
| | | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 1039673 | p | EP 562875 P 20020424 EP AK DESIGNATED CONTRACTING |
| 21 10030.0 | - | STATES MENTIONED IN A PATENT SPECIFICATION: |
| | | (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE |
| | | VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| | | PT SE |
| EP 1039673 | P | 20020424 EP B1 PATENT SPECIFICATION |
| EP 1039673 | Р | (PATENTSCHRIFT) 20020424 GB FG4D/REG EUROPEAN PATENT GRANTED |
| EP 1039673 | P | 20020424 EP REF IN AUSTRIA REGISTERED AS: |
| | | (IN AT EINGETRAGEN ALS:) AT 216812 R 20020515 |
| EP 1039673 | Р | 20020430 CH EP/REG ENTRY IN THE NATIONAL PHASE |
| | | (EINTRITT IN DIE NATIONALE PHASE) |
| EP 1039673 | P | 20020529 EP REF CORRESPONDS TO: (ENTSPRICHT) |
| | | DE 69331853 P 20020529 |
| EP 1039673 | P | 20020614 CH NV/REG NEW AGENT (NEUER |
| | | VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI) |
| | | NOVAGRAAF INTERNATIONAL SA |
| EP 1039674 | P | 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | AFFLICATION) (FRIORITAEL (FALENTANMELDONG)) |
| | _ | JP 9267934 A 19920326 |
| EP 1039674 | Р | 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | |
| ED 1020674 | ъ | JP 92256070 A 19920925 19930326 EP AA DIVIDED OUT OF |
| EP 1039674 | Р | (AUSSCHEIDUNG AUS) |
| | | EP 93302369 A3 19930326 |
| EP 1039674 | P | 19930326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | EP 2000114690 A 19930326 |
| EP 1039674 | P | |
| • | | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P |
| EP 1039674 | P | 20000927 EP AK DESIGNATED CONTRACTING |
| | | STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE |
| | | RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | AM DE OU DE DY 20 ED OD OD TO TO TE TO YOU |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1039674 | P | 20000927 EP A2 PUBLICATION OF APPLICATION |
| | | WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1039674 | P | |
| | | FILED (PRUEFUNGSANTRAG GESTELLT) |
| EP 1039674 | Þ | 20000712 20001206 EP AK DESIGNATED CONTRACTING |
| DI 1037074 | r | STATES IN A SEARCH REPORT: (IN EINEM |
| | | RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |

| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
|-----|--------------------|--------|--|
| EP | 1039674 | Р | |
| | | | VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EΡ | 1039674 | P | 20010530 EP 17Q FIRST EXAMINATION REPORT |
| | | | (ERSTER PRUEFUNGSBESCHEID) 20010412 |
| ΕP | 1039674 | P | 20010822 EP AKX PAYMENT OF DESIGNATION FEES |
| | | | (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| FD | 1039674 | Þ | PT SE 20010919 EP RIC1 CLASSIFICATION (CORRECTION) |
| LI | 1033074 | • | (KLASSIFIKATION (KORR.)) |
| | | | 7H O4L 1/00 A, 7H O4L 27/02 B, 7H O4L 27/18 B, 7H O4L 27/26 B, 7H O4L 27/34 B |
| EΡ | 1039674 | P | |
| | | | 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18 |
| EP | 1039674 | Þ | B, 7H 04L 27/26 B, 7H 04L 27/34 B 20010926 EP RTI1 TITLE (CORRECTION) (TITEL |
| υı | 1035074 | • | (KORR.)) |
| | | | MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH MULTICARRIER SIGNALS |
| ΕP | 1039674 | P | 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 |
| EP | 1039674 | P | 20020424 EP AC DIVISIONAL APPLICATION (ART. |
| | | | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P |
| EP | 1039674 | Р | 20020424 EP AK DESIGNATED CONTRACTING |
| | | | STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE |
| | | | VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| | 1000074 | _ | PT SE |
| ΕP | 1039674 | Р | (PATENTSCHRIFT) |
| | 1039674 1039674 | P P | 20020424 GB FG4D/REG EUROPEAN PATENT GRANTED 20020424 EP REF IN AUSTRIA REGISTERED AS: |
| J. | 1033011 | - | (IN AT EINGETRAGEN ALS:) |
| EP | 1039674 | P | |
| EP | 1039674 | Þ | (EINTRITT IN DIE NATIONALE PHASE) 20020529 EP REF CORRESPONDS TO: |
| 5. | 1033074 | - | (ENTSPRICHT) |
| ΕP | 1039674 | Р | DE 69331854 P 20020529 20020614 CH NV/REG NEW AGENT (NEUER |
| | | | VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI) |
| | | _ | NOVAGRAAF INTERNATIONAL SA |
| EΡ | 1039675 | Р | 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 9267934 A 19920326 |
| EP | 1039675 | P | 19920925 EP AA PRIORITY (PATENT |
| | | | APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| L D | 1039675 | Þ | JP 92256070 A 19920925 19930326 EP AA DIVIDED OUT OF |
| | 20000.0 | - | (AUSSCHEIDUNG AUS) |
| EP | 1039675 | P | EP 93302369 A3 19930326 19930326 EP AE EP-APPLICATION |
| | | | (EUROPAEISCHE ANMELDUNG) EP 2000114692 A 19930326 |
| EP | 1039675 | P | 20000927 EP AC DIVISIONAL APPLICATION (ART. |
| | | | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P |

| EP 1039675 | P | 20000927 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
|------------|---|--|
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1039675 | P | |
| EP 1039675 | Р | 20000927 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712 |
| EP 1039675 | P | 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1039675 | P | 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1039675 | Р | , , , |
| EP 1039675 | P | 20010822 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1039675 | P | 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 |
| EP 1039675 | Р | 20020306 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P |
| EP 1039675 | P | |
| EP 1039675 | P | 20020306 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) |
| EP 1039675 | Р | |
| EP 1039675 | P | 20020315 CH EP/REG ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE) |
| EP 1039675 | P | 20020411 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69331667 P 20020411 |
| EP 1039675 | P | 20020417 IE FG4D/REG EUROPEAN PATENTS GRANTED DESIGNATING IRELAND |
| EP 1039675 | P | 20020614 CH NV/REG NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI) |
| EP 1039675 | Р | NOVAGRAAF INTERNATIONAL SA 20020624 DK T3/REG TRANSLATION OF EP PATENT |
| EP 1039676 | P | 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1039676 | P | JP 9267934 A 19920326 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1039676 | P | JP 92256070 A 19920925 19930326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) |

| EP 1039676 | P | (EUROPAEISCHE ANMELDUNG) |
|------------|-----|--|
| EP 1039676 | P | EP 2000114694 A 19930326 20000927 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P |
| EP 1039676 | Р | |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1039676 | P | 20000927 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1039676 | | FILED (PRUEFUNGSANTRAG GESTELLT) 20000712 |
| EP 1039676 | P | 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1039676 | P | 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1039676 | P | 20010530 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20010412 |
| EP 1039676 | P | 20010822 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 1039676 | P . | PT SE 20010919 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18 |
| EP 1039676 | P | B, 7H 04L 27/26 B, 7H 04L 27/34 B 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS |
| EP 1039676 | P | OF 2002-01-01 20020424 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P |
| EP 1039676 | P | |
| EP 1039676 | P | 20020424 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) |
| EP 1039676 | | 20020424 GB FG4D/REG EUROPEAN PATENT GRANTED |
| EP 1039676 | P | 20020424 EP REF IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) AT 216814 R 20020515 |
| EP 1039676 | Р | 20020430 CH EP/REG ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE) |
| EP 1039676 | P | 20020529 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69331855 P 20020529 |
| EP 1039676 | P | 20020614 CH NV/REG NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI) |
| EP 1039677 | P | NOVAGRAAF INTERNATIONAL SA 19920326 EP AA PRIORITY (PATENT |

APPLICATION) (PRIORITAET (PATENTANMELDUNG))

| EP 1039677 | P | JP 9267934 A 19920326 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
|------------|---|--|
| EP 1039677 | P | JP 92256070 A 19920925 19930326 EP AA DIVIDED OUT OF |
| EP 1039677 | P | (AUSSCHEIDUNG AUS) EP 93302369 A3 19930326 19930326 EP AE EP-APPLICATION |
| EP 1039677 | P | (EUROPAEISCHE ANMELDUNG) EP 2000114696 A 19930326 20000927 EP AC DIVISIONAL APPLICATION (ART. |
| EP 1039677 | | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P |
| 21 1033077 | - | STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1039677 | Р | |
| EP 1039677 | P | 20000927 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712 |
| EP 1039677 | Р | 2000712 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1039677 | Р | 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1039677 | P | |
| EP 1039677 | Р | 20010822 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 1039677 | P | (KLASSIFIKATION (KORR.)) |
| | | 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B |
| EP 1039677 | P | 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 |
| EP 1039677 | P | 20020424 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P |
| EP 1039677 | P | 20020424 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 1039677 | P | PT SE 20020424 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) |
| EP 1039677 | | 20020424 GB FG4D/REG EUROPEAN PATENT GRANTED |
| EP 1039677 | P | 20020424 EP REF IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) AT 216815 R 20020515 |
| EP 1039677 | Р | 20020430 CH EP/REG ENTRY IN THE NATIONAL PHASE |

| | (GTAMPIMM IN DIR ARMIONALE DUAGE) |
|------------|---|
| EP 1039677 | (EINTRITT IN DIE NATIONALE PHASE) P 20020529 EP REF CORRESPONDS TO: (ENTSPRICHT) |
| EP 1039677 | DE 69331856 P 20020529 P 20020614 CH NV/REG NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI) |
| EP 1039678 | NOVAGRAAF INTERNATIONAL SA |
| EP 1039678 | JP 9267934 A 19920326 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1039678 | JP 92256070 A 19920925 P 19930326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) |
| EP 1039678 | EP 93302369 A3 19930326 P 19930326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000114697 A 19930326 |
| EP 1039678 | P 2000114697 A 19930326 P 20000927 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P |
| EP 1039678 | |
| | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 1039678 | PT SE P 20000927 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER |
| EP 1039678 | ANMELDUNG OHNE RECHERCHENBERICHT) P 20000927 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| EP 1039678 | 20000712 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 1039678 | PT SE P 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS |
| EP 1039678 | (ERSTER PRUEFUNGSBESCHEID) |
| EP 1039678 | 20010412 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 1039678 | PT SE P 20010919 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18 |
| EP.1039678 | |
| EP 1039678 | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 1039678 | EP 562875 P P 20020424 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) |

| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
|--------------------------|--------|--|
| EP 1039678 | P | 20020424 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) |
| EP 1039678 EP 1039678 | P P | 20020424 GB FG4D/REG EUROPEAN PATENT GRANTED 20020424 EP REF IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) |
| EP 1039678 | P | AT 216816 R 20020515 20020430 CH EP/REG ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE) |
| EP 1039678 | P | 20020529 EP REF CORRESPONDS TO: (ENTSPRICHT) |
| EP 1039678 | P | DE 69331857 P 20020529 20020614 CH NV/REG NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI) |
| EP 1039679 | P | NOVAGRAAF INTERNATIONAL SA 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1039679 | P | JP 9267934 A 19920326 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1039679 | Р | JP 92256070 A 19920925 19930326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 93302369 A3 19930326 |
| EP 1039679 | P | 19930326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 1039679 | Р | EP 2000114698 A 19930326 20000927 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 1039679 | P | EP 562875 P 20000927 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 1039679 | P | WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER |
| EP 1039679 | Р | ANMELDUNG OHNE RECHERCHENBERICHT) 20000927 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712 |
| EP 1039679 | P | |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1039679 | P | 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS |
| EP 1039679 | P | (ERSTER PRUEFUNGSBESCHEID) |
| EP 1039679 | P | 20010412 20010822 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1039679 | P | 20010919 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) |

(KLASSIFIKATION (KORR.))
7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18
B, 7H 04L 27/26 B, 7H 04L 27/34 B

| EP 1039679 | P 20020101 GB IF OF 2002-0 | 02/REG EUROPEAN PATENT IN FORCE AS |
|--------------------------|-------------------------------------|--|
| EP 1039679 | P 20020424 EP AC 76) OF: | DIVISIONAL APPLICATION (ART. (TEILANMELDUNG (ART. 76) AUS:) |
| EP 1039679 | STATES ME (IN EINER VERTRAGSS | DESIGNATED CONTRACTING NTIONED IN A PATENT SPECIFICATION: PATENTSCHRIFT ANGEFUEHRTE BENANNTE TAATEN) |
| | PT SE | DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 1039679 | (PATENTSC | HRIFT) |
| EP 1039679 EP 1039679 | | 4D/REG EUROPEAN PATENT GRANTED IN AUSTRIA REGISTERED AS: (|
| El 1033073 | IN AT EIN AT 216817 | GETRAGEN ALS:) R 20020515 |
| EP 1039679 | | /REG ENTRY IN THE NATIONAL PHASE IN DIE NATIONALE PHASE) |
| EP 1039679 | P 20020529 EP RE (ENTSPRIC | F CORRESPONDS TO: |
| EP 1039679 | P 20020614 CH NV | //REG NEW AGENT (NEUER //NOUVEAUX MANDATAIRES/NUOVI |
| EP 1039680 | P 19920326 EP AA | INTERNATIONAL SA PRIORITY (PATENT ON) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1039680 | P 19920925 EP AA | 4 A 19920326 PRIORITY (PATENT ON) (PRIORITAET (PATENTANMELDUNG)) |
| | | 70 A 19920925 |
| EP 1039680 | | DIVIDED OUT OF DUNG AUS) 669 A3 19930326 |
| EP 1039680 | P 19930326 EP AE (EUROPAEI | SCHE ANMELDUNG) |
| EP 1039680 | P 20000927 EP AC 76) OF: | 4699 A 19930326 DIVISIONAL APPLICATION (ART. (TEILANMELDUNG (ART. 76) AUS:) |
| EP 1039680 | STATES IN REPORT: | DESIGNATED CONTRACTING AN APPLICATION WITHOUT SEARCH (IN EINER ANMELDUNG OHNE CHERICHT BENANNTE VERTRAGSSTAATEN) |
| | AT BE CH PT SE | DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 1039680 | P 20000927 EP A2 WITHOUT S | PUBLICATION OF APPLICATION EARCH REPORT (VEROEFFENTLICHUNG DER |
| EP 1039680 | P 20000927 EP 17 | OHNE RECHERCHENBERICHT) PREQUEST FOR EXAMINATION PRUEFUNGSANTRAG GESTELLT) |
| EP 1039680 | P 20001206 EP AK STATES IN | DESIGNATED CONTRACTING A SEARCH REPORT: (IN EINEM CONBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 1039680 | SEARCH RE VEROEFFEN | SEPARATE PUBLICATION OF THE CPORT (ART. 93) (GESONDERTE PUBLICHUNG DES RECHERCHENBERICHTS |
| EP 1039680 | | Q FIRST EXAMINATION REPORT PRUEFUNGSBESCHEID) |

| 1020600 | _ | 20010302 |
|------------|---|--|
| EP 1039680 | P | 20010822 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| | _ | PT SE |
| EP 1039680 | P | 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 |
| EP 1039680 | P | 20020306 EP AC DIVISIONAL APPLICATION (ART. |
| | | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 1039680 | Б | EP 562875 P 20020306 EP AK DESIGNATED CONTRACTING |
| EP 1039000 | P | STATES MENTIONED IN A PATENT SPECIFICATION: |
| | | (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE |
| | | VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| | | PT SE |
| EP 1039680 | Р | 20020306 EP B1 PATENT SPECIFICATION |
| TR 1000000 | _ | (PATENTSCHRIFT) |
| EP 1039680 | P | 20020306 EP REF IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) |
| | | AT 214215 R 20020315 |
| EP 1039680 | P | 20020315 CH EP/REG ENTRY IN THE NATIONAL PHASE |
| EP 1039680 | P | (EINTRITT IN DIE NATIONALE PHASE) 20020411 EP REF CORRESPONDS TO: |
| EP 1039660 | P | (ENTSPRICHT) |
| | | DE 69331668 P 20020411 |
| EP 1039680 | P | 20020417 IE FG4D/REG EUROPEAN PATENTS GRANTED |
| EP 1039680 | Р | DESIGNATING IRELAND 20020614 CH NV/REG NEW AGENT (NEUER |
| 21 1003000 | - | VERTRETER/NOUVEAUX MANDATAIRES/NUOVI |
| | | MANDATARI) |
| EP 1039680 | Р | NOVAGRAAF INTERNATIONAL SA 20020624 DK T3/REG TRANSLATION OF EP PATENT |
| EP 1039681 | P | 19920326 EP AA PRIORITY (PATENT |
| | | APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 9267934 A 19920326 |
| EP 1039681 | P | |
| | | APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 92256070 A 19920925 |
| EP 1039681 | P | 19930326 EP AA DIVIDED OUT OF |
| | | (AUSSCHEIDUNG AUS) |
| EP 1039681 | D | EP 93302369 A3 19930326 19930326 EP AE EP-APPLICATION |
| EF 1039001 | E | (EUROPAEISCHE ANMELDUNG) |
| | | EP 2000114701 A 19930326 |
| EP 1039681 | P | 20000927 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| | | EP 562875 P |
| EP 1039681 | P | |
| | | STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE |
| | | RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1039681 | Р | |
| | | WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER |
| EP 1039681 | ø | ANMELDUNG OHNE RECHERCHENBERICHT) 20000927 EP 17P REQUEST FOR EXAMINATION |
| Pt 1032001 | r | FILED (PRUEFUNGSANTRAG GESTELLT) |
| | | 20000712 |
| EP 1039681 | Р | 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM |
| | | RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | |

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL

| ED 1020601 | D | PT SE 20001206 EP A3 SEPARATE PUBLICATION OF THE |
|------------|---|---|
| EP 1039681 | P | SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1039681 | P | 20001206 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) |
| | | 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04N 7/24 B |
| EP 1039681 | Р | • |
| EP 1039681 | P | 20010412 20010822 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1039681 | Р | 20010919 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B |
| EP 1039681 | P | 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 |
| EP 1039681 | P | 20020417 EP RTI1 TITLE (CORRECTION) (TITEL (KORR.)) MULTIRESOLUTION TRANSMISSION AND ERROR |
| EP 1039681 | P | CORRECTION CODING, WITH MULTICARRIER SIGNALS 20020424 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P |
| EP 1039681 | P | |
| EP 1039681 | P | PT SE 20020424 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) |
| EP 1039681 | P | 20020424 GB FG4D/REG EUROPEAN PATENT GRANTED |
| | P | 20020424 EP REF IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) AT 216818 R 20020515 |
| EP 1039681 | P | 20020430 CH EP/REG ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE) |
| EP 1039681 | P | 20020529 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69331859 P 20020529 |
| EP 1039681 | P | 20020614 CH NV/REG NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI) |
| EP 1039682 | P | NOVAGRAAF INTERNATIONAL SA 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1039682 | P | JP 9267934 A 19920326 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1039682 | Р | JP 92256070 A 19920925 19930326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 93302369 A3 19930326 |
| EP 1039682 | P | 19930326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 1039682 | Р | EP 2000114702 A 19930326 20000927 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P |

| EP : | 1039682 | P | 20000927 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
|------|--------------------|----------|--|
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP : | 1039682 | P | PT SE 20000927 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP : | 1039682 | P | 20000927 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712 |
| EP : | 1039682 | P | |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP : | 1039682 | P | 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP : | 1039682 | P | |
| EP : | 1039682 | P | |
| ED. | 1020602 | D | WITH MULTICARRIER SIGNALS |
| EP. | 1039682 | P | 20010822 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP | 1039682 | P | 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS |
| EP : | 1039682 | P | OF 2002-01-01 20020306 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P |
| EP : | 1039682 | P | 20020306 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP | 1039682 | P | PT SE 20020306 EP B1 PATENT SPECIFICATION |
| EP | 1039682 | P | (PATENTSCHRIFT) 20020306 EP REF IN AUSTRIA REGISTERED AS: |
| | | | (IN AT EINGETRAGEN ALS:) AT 214216 R 20020315 |
| EP : | 1039682 | P | 20020315 CH EP/REG ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE) |
| EP : | 1039682 | P | 20020411 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69331669 P 20020411 |
| EP | 1039682 | P | 20020417 IE FG4D/REG EUROPEAN PATENTS GRANTED DESIGNATING IRELAND |
| EP | 1039682 | P | 20020614 CH NV/REG NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI) |
| | 1039682 1045541 | P P | NOVAGRAAF INTERNATIONAL SA 20020624 DK T3/REG TRANSLATION OF EP PATENT 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP | 1045541 | P | JP 9267934 A 19920326 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |

| EP 1045541 P 19930326 EP AA DIVIDED OUT OF (AUSSCIEDIUMS QUS) EP 93302369 A3 19930326 EP 9302369 A3 19930326 EP 9302369 A3 19930326 EP 9302369 A3 19930326 EP 9302366 EP 2600114700 A 19930326 EP 20001148 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TELIAMELDUNG) (ART. 76) AUS:) EP 562875 EP 562875 EP 20001018 EP AK DESIGNATED CONTRACTING STATES IN AM APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VENTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE EP 1045541 P 20001018 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT) EP 1045541 P 20001018 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT: (IN EINEM ANMELDUNG OHNE RECHERCHENBERICHT) EP 1045541 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT) EN EXCHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) EP 1045541 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) EP 1045541 P 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VERDERFERNBLICHTE BENANNTE VERTRAGSSTAATEN) EP 1045541 P 2001206 EP A3 SEPARATE PUBLICATION REPORT (ERSTER PRUBFUNGSBESCHEID) 2001302 EP 1045541 P 2001206 EP AS SEPARATE PUBLICATION REPORT (ERSTER PRUBFUNGSBESCHEID) 2001302 EP 1045541 P 2001206 EP AS SEPARATE PUBLICATION REPORT (ERSTER PRUBFUNGSBESCHEID) EP 1045541 P 2001206 EP AK DESIGNATED CONTRACTING STATES MENTIONED EN REPORT (ART. 76) AUS:) P 19 1045541 P 2001206 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION. (IN EINEM PATENTS-CHIFT ANGEFUEHTE BENANNTE VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION. (IN EINEM PATENTS-CHIFT ANGEFUEHTE BENANNTE VERTRAGSSTAATEN) AT ENGSTRAGEN ALS:) AT 214217 R 20020315 EP AK DESIGNATED CONTRACTING | | | | |
|---|----|---------|---|--|
| EP 1045541 | EP | 1045541 | P | (AUSSCHEIDUNG AUS) |
| EP 1045541 | EP | 1045541 | P | 19930326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP | EP | 1045541 | P | 20001018 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| PT SE | EP | 1045541 | P | 20001018 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE |
| ### WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANNELDUNG OHNE RECHERCHENBERICHT) EP 1045541 P 20001018 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712 EP 1045541 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN ELIMEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE EP 1045541 P 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) EP 1045541 P 20010418 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20010302 EP 1045541 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES (CAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE EP 1045541 P 20020101 GB 1F02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01' EP 1045541 P 20020306 EP AC DIVISIONAL APPLICATION (ART. 76) OP: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P EP 1045541 P 20020306 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRE BENANNTE VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE EP 1045541 P 20020306 EP BR DESIGNATED CONTRACTING (IN AT BETTSCHRIFT) EP 1045541 P 20020306 EP BR DESIGNATED AS: (IN AT EINER PATENTSCHRIFT ANGEFUEHRE BENANNTE VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE EP 1045541 P 20020306 EP BR DATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRE BENANNTE VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE EP 1045541 P 20020306 EP BR DATENTSCHRIFT ANGEFUEHRE BENANNTE VERTRAGSSTAATEN) EP 1045541 P 20020315 CH EFFE CORRESPONDS TO: (ENTSPRICHT) DE 69331670 P 20020411 EP 1045541 P 20020417 IE FGLOWER ENTRY IN THE NATIONAL PHASE (ENTSPRICHT) DE 69331670 P 20020411 EP 1045541 P 20020616 CH ON WARD ARATARES/NUOVI | | | | |
| EP 1045541 | EP | 1045541 | P | WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER |
| EP 1045541 | EP | 1045541 | P | 20001018 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| PT SE | EP | 1045541 | P | 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM |
| SEARCH REPORT (ART. 93) (GESONDERTE VERCEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) SEARCH REPORT (ART. 93) (DES RECHERCHENBERICHTS (ART. 93)) EP | | | | |
| EP 1045541 | EP | 1045541 | P | SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS |
| EP | EP | 1045541 | P | 20010418 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) |
| EP 1045541 P 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01' EP 1045541 P 20020306 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P EP 1045541 P 20020306 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE EP 1045541 P 20020306 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) EP 1045541 P 20020306 EP REF IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) AT 214217 R 20020315 EP 1045541 P 20020315 CH EP/REG ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE) EP 1045541 P 20020411 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69331670 P 20020411 EP 1045541 P 20020614 CH NV/REG EUROPEAN PATENTS GRANTED DESIGNATING IRELAND EP 1045541 P 20020614 CH NV/REG NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI | EP | 1045541 | P | 20010822 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 1045541 P 20020306 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) | EP | 1045541 | P | 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS |
| EP 1045541 P 20020306 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE EP 1045541 P 20020306 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) EP 1045541 P 20020306 EP REF IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) AT 214217 R 20020315 EP 1045541 P 20020315 CH EP/REG ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE) EP 1045541 P 20020411 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69331670 P 20020411 EP 1045541 P 20020614 CH NV/REG EUROPEAN PATENTS GRANTED DESIGNATING IRELAND EP 1045541 P 20020614 CH NV/REG NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI | EP | 1045541 | P | 20020306 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 1045541 P 20020306 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) EP 1045541 P 20020306 EP REF IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) AT 214217 R 20020315 EP 1045541 P 20020315 CH EP/REG ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE) EP 1045541 P 20020411 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69331670 P 20020411 EP 1045541 P 20020417 IE FG4D/REG EUROPEAN PATENTS GRANTED DESIGNATING IRELAND EP 1045541 P 20020614 CH NV/REG NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI | EP | 1045541 | P | 20020306 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 1045541 P 20020306 EP REF IN AUSTRIA REGISTERED AS: | EP | 1045541 | P | 20020306 EP B1 PATENT SPECIFICATION |
| EP 1045541 P 20020315 CH EP/REG ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE) EP 1045541 P 20020411 EP REF CORRESPONDS TO: | EP | 1045541 | P | 20020306 EP REF IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) |
| EP 1045541 P 20020411 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69331670 P 20020411 EP 1045541 P 20020417 IE FG4D/REG EUROPEAN PATENTS GRANTED DESIGNATING IRELAND EP 1045541 P 20020614 CH NV/REG NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI | ΕP | 1045541 | P | 20020315 CH EP/REG ENTRY IN THE NATIONAL PHASE |
| EP 1045541 P 20020417 IE FG4D/REG EUROPEAN PATENTS GRANTED DESIGNATING IRELAND EP 1045541 P 20020614 CH NV/REG NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI | EP | 1045541 | P | 20020411 EP REF CORRESPONDS TO: (ENTSPRICHT) |
| EP 1045541 P 20020614 CH NV/REG NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI | EP | 1045541 | P | 20020417 IE FG4D/REG EUROPEAN PATENTS GRANTED |
| MANDATARI) NOVAGRAAF INTERNATIONAL SA | EP | 1045541 | P | 20020614 CH NV/REG NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI) |

| EP 1045541 EP 1049282 | P 20020 P 19920 | 624 DK T3/REG TRANSLATION OF EP PATENT 925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
|--------------------------|--------------------|---|
| EP 1049282 | P 19930 | JP 92256070 A 19920925 325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1049282 | P 19930 | JP 9366461 A 19930325 510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1049282 | P 19930 | JP 93132984 A 19930510 924 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) |
| EP 1049282 | Р 19930 | EP 93307575 A3 19930924 924 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 1049282 | P 20001 | EP 2000114574 A 19930924 102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 1049282 | P 20001 | EP 589709 P 102 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1049282 | P 20001 | 102 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1049282 | P 20001 | 102 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712 |
| EP 1049282 | P 20001 | 206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1049282 | P 20001 | 206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1049282 | P 20001 | (ARI. 93)) 206 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B |
| EP 1049282 | P 20010 | 822 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 1049282 | P 20010 | PT SE 919 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) |
| EP 1049282 | P 20020 | 20010806 410 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 |
| EP 1049283 | P 19920 | B, 7H 04L 27/34 B 326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1049283 | P 19920 | JP 9267934 A 19920326 925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |

| ED 1040202 | JP 92256070 A 19920925 P 19930326 EP AA DIVIDED OUT OF |
|------------|--|
| EP 1049203 | (AUSSCHEIDUNG AUS) |
| | EP 93302369 A3 19930326 |
| EP 1049283 | |
| | (EUROPAEISCHE ANMELDUNG) EP 2000114693 A 19930326 |
| EP 1049283 | |
| | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| 1010000 | EP 562875 P |
| EP 1049283 | P 20001102 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH |
| | REPORT: (IN EINER ANMELDUNG OHNE |
| | RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| | PT SE |
| EP 1049283 | P 20001102 EP A2 PUBLICATION OF APPLICATION |
| | WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER |
| EP 1049283 | ANMELDUNG OHNE RECHERCHENBERICHT) P 20001102 EP 17P REQUEST FOR EXAMINATION |
| EP 1049203 | FILED (PRUEFUNGSANTRAG GESTELLT) |
| | 20000712 |
| EP 1049283 | P 20001206 EP AK DESIGNATED CONTRACTING |
| | STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | ABORDICABIND MICHAEL V BATTALOGO TI BITTON |
| | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| ED 1040202 | PT SE P 20001206 EP A3 SEPARATE PUBLICATION OF THE |
| EP 1049203 | SEARCH REPORT (ART. 93) (GESONDERTE |
| | VEROEFFENTLICHUNG DES RECHERCHENBERICHTS |
| | (ART. 93)) |
| EP 1049283 | P 20010530 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) |
| | 20010412 |
| EP 1049283 | |
| | (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| | PT SE |
| EP 1049283 | P 20010919 EP RIC1 CLASSIFICATION (CORRECTION) |
| | (KLASSIFIKATION (KORR.)) |
| | 7H O4L 1/00 A, 7H O4L 27/02 B, 7H O4L 27/18 B, 7H O4L 27/26 B, 7H O4L 27/34 B |
| EP 1049283 | |
| 1040000 | OF 2002-01-01 |
| EP 1049283 | P 20020424 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| | EP 562875 P |
| EP 1049283 | P 20020424 EP AK DESIGNATED CONTRACTING |
| | STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE |
| | VERTRAGSSTAATEN) |
| | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| BB 1040000 | PT SE |
| EP 1049283 | P 20020424 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) |
| EP 1049283 | P 20020424 GB FG4D/REG EUROPEAN PATENT GRANTED |
| EP 1049283 | P 20020424 EP REF IN AUSTRIA REGISTERED AS: |
| | (IN AT EINGETRAGEN ALS:) AT 216819 R 20020515 |
| EP 1049283 | P 20020430 CH EP/REG ENTRY IN THE NATIONAL PHASE |
| | (EINTRITT IN DIE NATIONALE PHASE) |
| EP 1049283 | P 20020529 EP REF CORRESPONDS TO: |
| | (ENTSPRICHT) DE 69331860 P 20020529 |
| EP 1049283 | P 20020614 CH NV/REG NEW AGENT (NEUER |
| | VERTRETER/NOUVEAUX MANDATAIRES/NUOVI |

| | | MANDATARI) |
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| | | NOVAGRAAF INTERNATIONAL SA |
| EP 1049284 | P | 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | APPLICATION) (PRIORITAET (PATENTANMELDONG)) |
| | | JP 9267934 A 19920326 |
| EP 1049284 | Р | 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
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| | _ | JP 92256070 A 19920925 |
| EP 1049284 | P | 19930326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) |
| | | EP 93302369 A3 19930326 |
| EP 1049284 | P | 19930326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | EP 2000114695 A 19930326 |
| EP 1049284 | P | 20001102 EP AC DIVISIONAL APPLICATION (ART. |
| | | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P |
| EP 1049284 | P | |
| | | STATES IN AN APPLICATION WITHOUT SEARCH |
| | | REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1049284 | P | · · · · · · · · · · · · · · · · · · · |
| | | WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER |
| EP 1049284 | P | ANMELDUNG OHNE RECHERCHENBERICHT) 20001102 EP 17P REQUEST FOR EXAMINATION |
| 1013201 | • | FILED (PRUEFUNGSANTRAG GESTELLT) |
| EP 1049284 | D | 20000712 20001206 EP AK DESIGNATED CONTRACTING |
| EP 1049264 | F | STATES IN A SEARCH REPORT: (IN EINEM |
| | | RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| | | PT SE |
| EP 1049284 | P | 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE |
| | | VEROEFFENTLICHUNG DES RECHERCHENBERICHTS |
| | _ | (ART. 93)) |
| EP 1049284 | Р | 20010418 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) |
| | | 20010302 |
| EP 1049284 | P | |
| | | (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| | _ | PT SE |
| EP 1049284 | P | 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01 |
| EP 1049284 | P | 20020306 EP AC DIVISIONAL APPLICATION (ART. |
| | | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P |
| EP 1049284 | P | |
| | | STATES MENTIONED IN A PATENT SPECIFICATION: |
| | | (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| ED 1040204 | n | PT SE. 20020306 EP B1 PATENT SPECIFICATION |
| EP 1049284 | ۲ | (PATENTSCHRIFT) |
| EP 1049284 | P | 20020306 EP REF IN AUSTRIA REGISTERED AS: |
| | | (IN AT EINGETRAGEN ALS:) AT 214218 R 20020315 |
| EP 1049284 | P | 20020315 CH EP/REG ENTRY IN THE NATIONAL PHASE |
| ED 1040001 | - | (EINTRITT IN DIE NATIONALE PHASE) |
| EP 1049284 | P | 20020411 EP REF CORRESPONDS TO: |

| | | (ENTSPRICHT) |
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| EP 1049284 | P | DE 69331671 P 20020411 20020417 IE FG4D/REG EUROPEAN PATENTS GRANTED |
| EP 1049284 | P | DESIGNATING IRELAND 20020614 CH NV/REG NEW AGENT (NEUER |
| 21 10.1920. | - | VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI) |
| EP 1049284 | P | NOVAGRAAF INTERNATIONAL SA 20020624 DK T3/REG TRANSLATION OF EP PATENT |
| EP 1049334 | P | 19910327 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1049334 | P | JP 9162798 A 19910327 19910425 EP AA PRIORITY (PATENT |
| | | APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 9195813 A 19910425 |
| EP 1049334 | P | 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| DD 1040224 | | JP 91155650 A 19910529 |
| EP 1049334 | ۲ | 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1049334 | P | JP 91182236 A 19910723 19920317 EP AA PRIORITY (PATENT |
| 1013331 | • | APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1049334 | Þ | JP 9260739 A 19920317 19920326 EP AA DIVIDED OUT OF |
| EL 1049554 | • | (AUSSCHEIDUNG AUS) EP 92302627 A3 19920326 |
| EP 1049334 | P | 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) |
| | | EP 96119060 A3 19920326 |
| EP 1049334 | P | 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000114691 A 19920326 |
| EP 1049334 | P | 20001102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 1049334 | P | EP 506400 P 20001102 EP AC DIVISIONAL APPLICATION (ART. |
| | _ | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 766478 P |
| EP 1049334 | P | 20001102 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| | | DE FR GB NL |
| EP 1049334 | P | 20001102 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER |
| | _ | ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1049334 | Р | 20001102 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000715 |
| EP 1049334 | P | 20001220 EP K1C1 CORRECTION OF PATENT APPLICATION (TITLE PAGE) PUBLISHED |
| | | (BERICHTIGUNG DER PATENTANMELDUNG (TITELSEITE) ERSCHIENEN) |
| EP 1049334 | P | 20001102 20001220 EP RPR1 PRIORITY (CORRECTION) |
| | | (PRIORITAET (KORR.)) JP 19910327 6279891 ; JP 19910425 9581391 ; JP 19910529 15565091 ; JP 19910723 18223691 ; |
| EP 1049334 | P | JP 19920317 6073992 20010718 EP AKX PAYMENT OF DESIGNATION FEES |
| | _ | (ZAHLUNG VON BENENNUNGSGEBUEHREN) DE FR GB NL |
| EP 1050879 | P | 19930727 EP AA PRIORITY (PATENT |

| APPLICATION) | (PRIORITAET | (PATENTANMELDUNG)) |
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| | / | (2111 2011 1111 112 22 20 11 20) , |

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| EP | 1050879 | P | JP 93205682 A 19930727 19931102 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP | 1050879 | P | JP 93297504 A 19931102 19931119 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP | 1050879 | P . | JP 93314114 A 19931119 19940418 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP | 1050879 | P | JP 94104879 A 19940418 19940707 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP | 1050879 | P | JP 94156089 A 19940707 19940727 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) |
| EP | 1050879 | P | EP 94305557 A3 19940727 19940727 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP | 1050879 | P | EP 2000115017 A 19940727 20001108 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP | 1050879 | P | EP 637016 P 20001108 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | 1050879 1120777 | | BE CH DE FR GB IT LI NL 20001108 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) 19941117 EP AA PRIORITY (PATENT |
| <u> </u> | 1120777 | L | APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP | 1120777 | P | JP 94283415 A 19941117 19950202 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP | 1120777 | P | JP 9516153 A 19950202 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP | 1120777 | P | JP 95261247 A 19951009 19951116 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 95938017 A3 19951116 |
| EP | 1120777 | P | 19951116 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP | 1120777 | P | EP 2001108949 A 19951116 20010801 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP | 1120777 | P | EP 741382 P 20010801 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| EP | 1120777 | P | WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER |
| EP | 1120777 | P | ANMELDUNG OHNE RECHERCHENBERICHT) 20010801 EP 17P REQUEST FOR EXAMINATION |

FILED (PRUEFUNGSANTRAG GESTELLT)

| | | 20010410 |
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| EP 1120777 | P | 20011010 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| EP 1120777 | P | DE FR GB 20011010 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS |
| EP 1120777 | Р | (ART. 93)) 20011010 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7G 11B 20/00 A, 7G 06F 1/00 B, 7G 11B 7/00 B, 7G 11B 27/30 B, 7G 11B 23/28 B, 7G 11B 13/04 B, 7G 11B 11/105 B, 7G 11B 19/02 B, 7G 11B 19/12 B, 7G 11B 7/007 B, 7G 11B 7/26 B, 7G 11B 20/12 B, 7G 11B 27/10 B |
| EP 1120777 | P | |
| EP 1154608 | Р | |
| EP 1154608 | Р | JP 9267934 A 19920326 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1154608 | P | JP 92256070 A 19920925 19930326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 93302369 A3 19930326 |
| EP 1154608 | P | 19930326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2001118510 A 19930326 |
| EP 1154608 | P | 20011114 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P |
| EP 1154608 | P | 20011114 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |
| EP 1154608 | Р | PT SE 20011114 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1168328 | P | 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1168328 | Р | JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 968910 A 19960123 |
| EP 1168328 | P | |
| EP 1168328 | Р | JP 96211304 A 19960809 19961008 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 96932845 A3 19961008 |
| EP 1168328 | P | |
| EP 1168328 | P | |

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EP 1168328 P
                       20020102 EP AC
                                              DIVISIONAL APPLICATION (ART.
                             76) OF: (TEILANMELDUNG (ART. 76) AUS:)
                             EP 802527 P
   EP 1168328
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                       20020102 EP AC
                                              DIVISIONAL APPLICATION (ART.
                             76) OF: (TEILANMELDUNG (ART. 76) AUS:)
                             EP 1024478 P
                   Ρ
                       20020102 EP AK
                                              DESIGNATED CONTRACTING
   EP 1168328
                             STATES IN AN APPLICATION WITH SEARCH REPORT:
                             (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
                             DE FR GB
                                              PUBLICATION OF APPLICATION
   EP 1168328
                       20020102 EP A1
                             WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
                             ANMELDUNG MIT RECHERCHENBERICHT)
   EP 1168328
                   Ρ
                       20020102 EP 17P
                                              REQUEST FOR EXAMINATION
                             FILED (PRUEFUNGSANTRAG GESTELLT)
                             20010919
                  Ρ
                       20020424 EP RIN1
                                              INVENTOR (CORRECTION)
   EP 1168328
                             (ERFINDER (KORR.))
                             OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,
                             SHINICHI; KOISHI, KENJI; MORIYA, MITSUROU;
                             TAKEMURA, YOSHINARI
JAPAN (JP)
  Patent (No, Kind, Date): JP 5250756 A2 19930928
   RECORDER/REPRODUCER (English)
   Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
   Author (Inventor): OSHIMA MITSUAKI
   Priority (No, Kind, Date): JP 9250328 A
   Applic (No, Kind, Date): JP 9250328 A 19920309
   IPC: * G11B-013/04; G11B-013/00
   JAPIO Reference No: ; 180014P000119
   Language of Document: Japanese
  Patent (No, Kind, Date): JP 5307788 A2 19931119
    RECORDING AND REPRODUCING DEVICE (English)
    Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
   Author (Inventor): OSHIMA MITSUAKI
    Priority (No, Kind, Date): JP 92111176 A
   Applic (No, Kind, Date): JP 92111176 A 19920430
   IPC: * G11B-013/04; G11B-013/00
    JAPIO Reference No: ; 180121P000165
   Language of Document: Japanese
  Patent (No, Kind, Date): JP 5327807 A2 19931210
   TRANSMITTER (English)
    Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
   Author (Inventor): OSHIMA MITSUAKI
    Priority (No, Kind, Date):
                              JP 9162798
                                           A1 19910327; JP 9195813 A1
      19910425; JP 91155650 A1 19910529; JP 91182236 A1 19910723; JP
      9260739 A1 19920317
   Applic (No, Kind, Date): JP 9268935 A
                                          19920327
    IPC: * H04L-027/36; H04J-003/00; H04J-011/00; H04L-027/38; H04N-007/00
      ; H04N-007/13; H04N-007/20
    JAPIO Reference No: ; 180152E000002
    Language of Document: Japanese
  Patent (No, Kind, Date): JP 6036387 A2 19940210
    RECORDING/REPRODUCING DEVICE (English)
    Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
   Author (Inventor): OSHIMA MITSUAKI
    Priority (No, Kind, Date): JP 92194450 A 19920722
   Applic (No, Kind, Date): JP 92194450 A 19920722
    IPC: * G11B-013/04; G11B-013/00
    JAPIO Reference No: ; 180264P000063
    Language of Document: Japanese
  Patent (No, Kind, Date): JP 6164665 A2 19940610
    TRANSMITTER (English)
    Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
    Author (Inventor): OSHIMA MITSUAKI
    Priority (No, Kind, Date): JP 9368545 A 19930326; JP 9267934 A
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19920326; JP 92256070 A
                            19920925
 Applic (No, Kind, Date): JP 9368545 A 19930326
 IPC: * H04L-027/36; H04L-027/38; H04L-027/00; H04N-005/40; H04N-007/00
   ; HO4N-007/20; HO4N-011/04
 Derwent WPI Acc No: * G 93-305235; G 94-103292
 JAPIO Reference No: * 180486E000144; 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 6180888 A2 19940628
 RECORDING AND REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 9334656 A
                                            19930128; JP 9213809 A
   19920129; JP 9268031 A 19920326; JP 92280874 A 19920925
 Applic (No, Kind, Date): JP 9334656 A 19930128
 IPC: * G11B-013/00; G11B-013/04; G11B-011/10
 Derwent WPI Acc No: * G 93-251292; G 93-313529
 JAPIO Reference No: * 180522P000136; 180522P000136
 Language of Document: Japanese
Patent (No, Kind, Date): JP 6231509 A2 19940819
 RECORDING/REPRODUCING APPARATUS (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; KAMIKADO TOSHIKAZU; TANAKA MICHIRO
   ; SHIMIZU RYOSUKE
 Priority (No, Kind, Date): JP 9363428
                                              19930226; JP 9242558 A
                                        Α
   19920228; JP 92282666 A 19921021; JP 92331300 A
 Applic (No, Kind, Date): JP 9363428 A 19930226
              G11B-013/04; G11B-005/127;
                                           G11B-005/82; G11B-013/00;
 IPC:
   G11B-023/40
 Derwent WPI Acc No: * G 93-251292; G 93-313529
 JAPIO Reference No: * 180618P000070; 180618P000070
 Language of Document: Japanese
Patent (No, Kind, Date): JP 6231510 A2 19940819
 RECORDING/REPRODUCING APPARATUS (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; KAMIKADO TOSHIKAZU; TANAKA MICHIRO
   ; SHIMIZU RYOSUKE
 Priority (No, Kind, Date):
                            JP 9392247
                                        Α
                                            19930326; JP 9268031 A
    19920326; JP 92280874 A 19920925; JP 92282666 A 19921021; JP
   92331300 A
                19921211
 Applic (No, Kind, Date): JP 9392247 A 19930326
              G11B-013/04; G11B-005/127; G11B-005/82;
                                                         G11B-013/00;
 TPC:
   G11B-023/40
 Derwent WPI Acc No: * G 93-251292; G 93-313529
 JAPIO Reference No: * 180522P000136; 180618P000070; 180618P000070
 Language of Document: Japanese
Patent (No, Kind, Date): JP 7093962 A2 19950407
 INFORMATION RECORDING AND REPRODUCING APPARATUS (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; TAN SATOSHI; KUWAMOTO MAKOTO
 Priority (No, Kind, Date): JP 93300723 A 19931201; JP 92321063 A
   19921201; JP 938596 A 19930121; JP 93205682 A 19930727
 Applic (No, Kind, Date): JP 93300723 A
                                        19931201
 IPC: * G11B-033/02; G11B-017/04; G11B-025/10
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
   94-250560; G 95-116722
 Language of Document: Japanese
Patent (No, Kind, Date): JP 7099522 A2 19950411
 TRANSMITTER (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
                                            19930924; JP 92256070 A
 Priority (No, Kind, Date):
                            JP 93261611 A
   19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No, Kind, Date): JP 93261611 A 19930924
 IPC: * H04L-027/34; H04B-001/66; H04B-014/04
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
    94-342258
  JAPIO Reference No: * 180486E000144
  Language of Document: Japanese
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Patent (No, Kind, Date): JP 7235097 A2 19950905
 RECORDING AND REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
                      OSHIMA MITSUAKI; SHIMIZU RYOSUKE; TANAKA MICHIRO;
 Author (Inventor):
   YOSHIURA TSUKASA
 Priority (No, Kind, Date):
                          JP 93351425
                                         Α
                                             19931228; JP 938596 A
    19930121; JP 9392219 A 19930325; JP 93107423 A
                                                         19930409; JP
                 19930727; JP 93297504 A 19931102; JP 93314114 A
    93205682 A
    19931119; JP 93333874 A 19931227; JP 93333392 A
   93333403 A 19931227; JP 93349972 A 19931227
 Applic (No, Kind, Date): JP 93351425 A 19931228
 IPC: * G11B-013/04; G11B-005/02
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
   94-250560; G 94-342258; G 95-116722; G 95-341616
 Language of Document: Japanese
Patent (No, Kind, Date): JP 7235098 A2 19950905
 INFORMATION RECORDING MEDIUM AND ITS MANUFACTURE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI
 Priority (No, Kind, Date): JP 93351426 A 19931228; JP 938596 A
    19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP
    9391011 A
                  19930419; JP 93205682 A 19930727; JP 93297504 A
   19931102; JP 93314114 A 19931119; JP 93333855 A
                                                      19931227
 Applic (No, Kind, Date): JP 93351426 A 19931228
 IPC: * G11B-013/04; B42D-015/10; G06K-019/06; G11B-023/40
 Derwent WPI Acc No: ; G 95-341616
 Language of Document: Japanese
Patent (No, Kind, Date): JP 7235099 A2 19950905
 RECORDING AND REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; SHIMIZU RYOSUKE; TANAKA MICHIRO;
   YOSHIURA TSUKASA; KAMIKADO TOSHIKAZU; TAN SATOSHI
 Priority (No, Kind, Date): JP 9422135 A
                                              19940121; JP 938596 A
    19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP
    93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A
    19931119; JP 93333874 A 19931227; JP 93333392 A 19931227; JP
   93333403 A 19931227; JP 93349972 A 19931227
 Applic (No, Kind, Date): JP 9422135 A 19940121
 IPC: * G11B-013/04; G11B-020/12; G11B-020/18
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
   94-250560; G 94-342258; G 95-116722; G 95-341616
 Language of Document: Japanese
Patent (No, Kind, Date): JP 7249227 A2 19950926
 RECORDING AND REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date):
                           JP 94195853 A
                                           19940727; JP 93205682 A
    19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP
               19931227; JP 9422191 A 19940120
   93349972 A
 Applic (No, Kind, Date): JP 94195853 A 19940727
 IPC: * G11B-007/00; G11B-007/007; G11B-013/04
 Derwent WPI Acc No: * C 94-236841; G 94-242360; G 94-342258; G
   95-116722; G 95-246541; G 95-341616; G 96-062972; G 98-181451
 Language of Document: Japanese
Patent (No, Kind, Date): JP 7264148 A2 19951013
 TRANSMITTER (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 9479668 A
                                        19940324
 Applic (No, Kind, Date): JP 9479668 A 19940324
 IPC: * H04H-001/00; H04N-007/01; H04N-007/24
 Derwent WPI Acc No: * G 95-387959; G 95-387959
 Language of Document: Japanese
Patent (No, Kind, Date): JP 7320333 A2 19951208
 RECORDING/REPRODUCING
                                                             AND ITS
                       APPARATUS AND
                                         RECORDING
                                                     MEDIUM
   MANUFACTURE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI
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Priority (No, Kind, Date): JP 9422158 A 19940121; JP 938596 A
    19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP
                  19930727; JP 93297504 A 19931102; JP 93314114 A
             Α
   19931119; JP 93333855 A 19931227
 Applic (No, Kind, Date): JP 9422158 A
                                       19940121
 IPC: * G11B-013/04; B42D-015/10; G06K-019/06; G11B-023/30
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
   94-250560; G 95-116722; G 95-341616; G 96-062972; G 96-062972
 Language of Document: Japanese
Patent (No, Kind, Date): JP 7322219 A2 19951208
 TRANSMITTER (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 9479432 A 19940325; JP 9366461 A
    19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP
   93349972 A
               19931227
 Applic (No, Kind, Date): JP 9479432 A
                                      19940325
 IPC: * H04N-007/015; H04N-007/20
 Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258
 Language of Document: Japanese
Patent (No, Kind, Date): JP 8212560 A2 19960820
 OPTICAL RECORDING MEDIUM AND OPTICAL DISK REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): UENO FUMIAKI; OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 94327805 A 19941228; JP 93335165 A
    19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP
   94156089 A 19940707; JP 94299508 A 19941202
 Applic (No, Kind, Date): JP 94327805 A 19941228
             G11B-007/007;
                            B41M-005/26;
                                           G11B-007/00;
                                                          G11B-007/24;
   G11B-007/26; G11B-013/04; G11B-019/04; G11B-020/10
 Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939
 Language of Document: Japanese
Patent (No, Kind, Date): JP 8212681 A2 19960820
 RECORDING/REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 9516865 A 19950203
 Applic (No, Kind, Date): JP 9516865 A 19950203
 IPC: * G11B-019/04; G11B-007/00; G11B-013/04; G11B-019/02; G11B-020/10
 Derwent WPI Acc No: * G 95-373939
 Language of Document: Japanese
Patent (No, Kind, Date): JP 8273164 A2 19961018
 RECORDING AND REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI
 Priority (No, Kind, Date): JP 9592116 A 19950418; JP 94104879 A
    19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP
              19950201; JP 9516153 A 19950202
   9515318 A
 Applic (No, Kind, Date): JP 9592116 A 19950418
             G11B-007/00; G11B-007/007; G11B-007/24; G11B-007/26;
 IPC:
   G11B-013/04; G11B-019/04; G11B-020/10
 Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G
   96-268785; G 01-018026
 Language of Document: Japanese
Patent (No, Kind, Date): JP 10233019 A2 19980902
 OPTICAL DISK, OPTICAL DISK MANUFACTURING DEVICE AND OPTICAL DISK
   REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): KONISHI SHINICHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
  KOISHI KENJI; MORIYA MITSURO; GOTOU YOSHITOSHI; TAKEMURA YOSHIYA
 Priority (No, Kind, Date): JP 979318 A
                                            19970122; JP 968110 A
    19960122; JP 968910
                           Α
                               19960123; JP 96339304 A 19961219; JP
   96211304 A
                19960809
 Applic (No, Kind, Date): JP 979318 A 19970122
 IPC: * G11B-007/00; G11B-007/007; G11B-007/24; G11B-020/10
 Derwent WPI Acc No: * G 97-236117; G 97-236119; G 98-363034
 Language of Document: Japanese
Patent (No, Kind, Date): JP 11162031 A2 19990618
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OPTICAL DISK, METHOD FOR RECORDING/REPRODUCING OPTICAL DISK DRAW
                                 REPRODUCING DEVICE, OPTICAL DISK
   INFORMATION,
                OPTICAL
                          DISK
    RECORDING/REPRODUCING DEVICE, OPTICAL DISK DRAW INFORMATION RECORDER
   AND OPTICAL DISK RECORDER (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): MIYATAKE NORIO; MURAKAMI MOTOYOSHI; OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 97351243 A 19971219; JP 96339304 A 19961219; JP 97259110 A 19970924
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 Applic (No, Kind, Date): JP 97351243 A
             G11B-011/10; G11B-007/00; G11B-007/007; G11B-007/24;
   G11B-013/00; G11B-020/10
 Derwent WPI Acc No: * G 98-363034
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000032074 A2 20000128
 TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND
   RECEPTION METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 99169243 A 19990616; JP 9162798 A
    19910327; JP 9195813 A ·19910425; JP 91155650 A 19910529; JP
   91182236 A 19910723; JP 9260739 A 19920317
 Applic (No, Kind, Date): JP 99169243 A 19990616
             H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;
   H04N-007/20
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000032075 A2 20000128
 TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND
   RECEPTION METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 99169244 A 19990616; JP 9162798 A
    19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
   91182236 A 19910723; JP 9260739 A 19920317
 Applic (No, Kind, Date): JP 99169244 A 19990616
            H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;
   H04N-007/20
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000032076 A2 20000128
 TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND
   RECEPTION METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 99169245 A 19990616; JP 9162798 A
    19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
   91182236 A 19910723; JP 9260739 A 19920317
 Applic (No, Kind, Date): JP 99169245 A 19990616
             H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;
   H04N-007/20
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000032077 A2 20000128
 TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND
   RECEPTION METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 99169246 A 19990616; JP 9162798 A
    19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
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91182236 A 19910723; JP 9260739 A
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 Applic (No, Kind, Date): JP 99169246 A 19990616
 IPC:
             HO4L-027/36; HO4J-003/00; HO4L-027/38;
                                                         H04N-007/015;
   H04N-007/20
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000032078 A2 20000128
 TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND
   RECEPTION METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date):
                           JP 99169247 A 19990616; JP 9162798 A
    19910327; JP 9195813 A
                               19910425; JP 91155650 A
   91182236 A 19910723; JP 9260739 A 19920317
 Applic (No, Kind, Date): JP 99169247 A
                                        19990616
 IPC: * H04L-027/36; H04L-027/38; H04N-007/015; H04N-007/20
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000032079 A2 20000128
 TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND
   RECEPTION METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 99169248 A 19990616; JP 9162798 A
    19910327; JP 9195813 A 19910425; JP 91155650 A
   91182236 A 19910723; JP 9260739 A 19920317
 Applic (No, Kind, Date): JP 99169248 A 19990616
             H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;
 IPC:
   H04N-007/20
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000076659 A2 20000314
 OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
  KOISHI KENJI; MORIYA MITSURO
 Priority (No, Kind, Date): JP 99257252 A 19990910; JP 95261247 A
   19951009; JP 968910 A
                           19960123
 Applic (No, Kind, Date): JP 99257252 A
 IPC: * G11B-007/007; G11B-019/04; G11B-020/10
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000076662 A2 20000314
 OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK AND MANUFACTURE OF
   OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
  KOISHI KENJI; MORIYA MITSURO
 Priority (No, Kind, Date): JP 99257248 A
                                           19990910; JP 95261247 A
   19951009; JP 968910 A 19960123
 Applic (No, Kind, Date): JP 99257248 A 19990910
             G11B-007/085; G11B-007/004; G11B-007/24;
 IPC:
   G11B-020/10
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000076705 A2 20000314
 OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
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KOISHI KENJI; MORIYA MITSURO
 Priority (No, Kind, Date): JP 99257245 A 19990910; JP 95261247 A
   19951009; JP 968910 A 19960123
 Applic (No, Kind, Date): JP 99257245 A 19990910
 IPC: * G11B-007/24; G11B-019/04; G11B-020/10; G11B-027/28
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000076791 A2 20000314
 OPTICAL
          DISK,
                  OPTICAL
                            DISK RECORDING METHOD AND OPTICAL DISK
   REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
  KOISHI KENJI; MORIYA MITSURO
 Priority (No, Kind, Date): JP 99257247 A 19990910; JP 95261247 A
   19951009; JP 968910 A 19960123
 Applic (No, Kind, Date): JP 99257247 A 19990910
 IPC: * G11B-020/10; G11B-007/007; G11B-020/12; G11B-020/18
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000078222 A2 20000314
 TRANSMITTER, RECEIVER, TRANSMITTING DEVICE, TRANSMISSION METHOD AND
   RECEPTION METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 99200091 A 19990714; JP 9162798 A
    19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
   91182236 A 19910723; JP 9260739 A 19920317
 Applic (No, Kind, Date): JP 99200091 A 19990714
 IPC: * H04L-027/34; H04J-003/00; H04J-015/00; H04L-027/36; H04L-027/38
   ; H04N-007/08; H04N-007/081
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000106579 A2 20000411
 TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 99289582 A 19991012; JP 9162798 A
    19910327; JP 9195813 A 19910425; JP 91155650 A
   91182236 A 19910723; JP 9260739 A 19920317
 Applic (No, Kind, Date): JP 99289582 A 19991012
 IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
Patent (No.Kind, Date): JP 2000106580 A2 20000411
 TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 99289583 A 19991012; JP 9162798 A
    19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
   91182236 A 19910723; JP 9260739 A 19920317
 Applic (No, Kind, Date): JP 99289583 A 19991012
 IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000106581 A2 20000411
 TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)
  Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
  Priority (No, Kind, Date): JP 99289584 A 19991012; JP 9162798 A
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19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
   91182236 A 19910723; JP 9260739 A 19920317
 Applic (No, Kind, Date): JP 99289584 A
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 IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000106582 A2 20000411
 TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 99289585 A 19991012; JP 9162798 A
    19910327; JP 9195813 A 19910425; JP 91155650 A
                                                         19910529; JP
   91182236 A 19910723; JP 9260739 A 19920317
 Applic (No, Kind, Date): JP 99289585 A
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 IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000106583 A2 20000411
 TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 99289586 A 19991012; JP 9162798 A
    19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
   91182236 A 19910723; JP 9260739 A 19920317
 Applic (No, Kind, Date): JP 99289586 A 19991012
 IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/015
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000149423 A2 20000530
 REPRODUCER (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
  KOISHI KENJI; MORIYA MITSURO; TAKEMURA YOSHIYA
                          JP 99373897 A
                                            19961008; JP 95261247 A
 Priority (No, Kind, Date):
   19951009; JP 968910 A 19960123; JP 96211304 A 19960809
 Applic (No, Kind, Date): JP 99373897 A
                                       19961008
 IPC: * G11B-020/10; G11B-007/005
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000156037 A2 20000606
 RECORDING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
  KOISHI KENJI; MORIYA MITSURO; TAKEMURA YOSHIYA
 Priority (No, Kind, Date): JP 95261247 A 19951009; JP 968910 A
   19960123; JP 96211304 A 19960809
 Applic (No, Kind, Date): JP 99373901 A
 IPC: * G11B-020/10; G11B-007/0045; G11B-007/24
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000173062 A2 20000623
 OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
  KOISHI KENJI; MORIYA MITSURO; TAKEMURA YOSHIYA
                           JP 99373902 A
                                            19960810; JP 95261247 A
 Priority (No, Kind, Date):
   19951009; JP 968910 A
                           19960123; JP 96211304 A 19960809
 Applic (No, Kind, Date): JP 99373902 A 19960810
 IPC: * G11B-007/007; G06F-012/14; G11B-020/10
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Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000173063 A2 20000623
 OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
  KOISHI KENJI; MORIYA MITSURO
                                          Α
                                               19951009; JP 968910 A
 Priority (No, Kind, Date):
                            JP 95261247
   19960123
 Applic (No, Kind, Date): JP 99375208 A
                                        19991228
        G11B-007/007; G11B-007/24; G11B-020/10; G11B-020/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000173179 A2 20000623
 REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
  KOISHI KENJI; MORIYA MITSURO; TAKEMURA YOSHIYA
 Priority (No, Kind, Date):
                            JP 95261247
                                              19951009; JP 968910 A
   19960123; JP 96211304 A
                            19960809
 Applic (No, Kind, Date): JP 99373898 A
                                          19991228
 IPC: * G11B-020/10; G06F-012/14; G11B-007/005
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000215603 A2 20000804
 RECORDING APPARATUS (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
  KOISHI KENJI; MORIYA MITSURO; TAKEMURA YOSHIYA
 Priority (No, Kind, Date): JP 95261247
                                              19951009; JP 968910 A
                                          Α
   19960123; JP 96211304 A
                            19960809
 Applic (No, Kind, Date): JP 99373896 A
                                         19991228
 IPC: * G11B-020/10; G11B-007/0045; G11B-019/04
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000222729 A2 20000811
 MARKING PRODUCING DEVICE, OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK
   MANUFACTURING METHOD AND OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
  KOISHI KENJI; MORIYA MITSURO
 Priority (No, Kind, Date): JP 95261247
                                           Α
                                                19951009; JP 968910 A
   19960123
 Applic (No, Kind, Date): JP 99257251 A
                                        19990910
 IPC: * G11B-007/004; G11B-020/10
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000222739 A2 20000811
 OPTICAL DISK REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
  KOISHI KENJI; MORIYA MITSURO
                             JP 95261247
                                                19951009; JP 968910 A
 Priority (No, Kind, Date):
                                           Α
   19960123
 Applic (No, Kind, Date): JP 99257250 A
                                          19990910
 IPC: * G11B-007/005; G11B-020/10
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000222743 A2 20000811
 OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
  KOISHI KENJI; MORIYA MITSURO
                                                19951009; JP 968910 A
                                           Α
 Priority (No, Kind, Date):
                            JP 95261247
   19960123
 Applic (No, Kind, Date): JP 99375209 A 19991228
             G11B-007/007; G11B-007/005;
                                           G11B-007/24; G11B-020/10;
   G11B-020/12
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Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000222782 A2 20000811
 OPTICAL DISK, OPTICAL DISK RECORDER AND OPTICAL DISK REPRODUCING DEVICE
    (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
  KOISHI KENJI; MORIYA MITSURO
                                          Α
                                               19951009; JP 968910 A
                            JP 95261247
 Priority (No, Kind, Date):
   19960123
 Applic (No, Kind, Date): JP 99257246 A
                                         19990910
 IPC: * G11B-007/24; G11B-007/004; G11B-020/10
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000222783 A2 20000811
 OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
  KOISHI KENJI; MORIYA MITSURO
                                         A 19951009; JP 968910 A
 Priority (No, Kind, Date): JP 95261247
   19960123
 Applic (No, Kind, Date): JP 99257249 A 19990910
 IPC: * G11B-007/24; G11B-007/007; G11B-020/10
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000228016 A2 20000815
 OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
  KOISHI KENJI; MORIYA MITSURO; TAKEMURA YOSHIYA
 Priority (No, Kind, Date): JP 99373899 A
                                            19960810; JP 95261247 A
   19951009; JP 968910 A 19960123; JP 96211304 A
                                                    19960809
 Applic (No, Kind, Date): JP 99373899 A 19960810
              G11B-007/007;
                                            G11B-019/04; G11B-020/10;
 IPC:
                            G06F-012/14;
   G11B-020/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000228062 A2 20000815
 RECORDER (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
  KOISHI KENJI; MORIYA MITSURO; TAKEMURA YOSHIYA
 Priority (No, Kind, Date): JP 95261247
                                             19951009; JP 968910 A
   19960123; JP 96211304 A
                            19960809
 Applic (No, Kind, Date): JP 99373900 A
                                         19991228
 IPC: * G11B-020/10; G06K-019/06; G06K-019/04; G11B-007/0045
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000299677 A2 20001024
 TRANSMITTER, RECEIVER, TRANSMISSION SYSTEM, TRANSMITTING METHOD AND
   RECEIVING METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 200085410 A 20000324; JP 9267934 A
   19920326; JP 92256070 A
                            19920925
 Applic (No, Kind, Date): JP 200085410 A 20000324
 IPC: * H04J-011/00; H04J-003/00; H04L-001/00; H04L-027/34; H04L-027/02
      H04L-027/10; H04L-027/18; H04N-005/38; H04N-005/44; H04N-005/46;
   H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441
 JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000312195 A2 20001107
 SENDING DEVICE, RECEPTION DEVICE, TRANSMISSION DEVICE, SENDING METHOD
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AND RECEIVING METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 200085407 A 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): JP 200085407 A 19930326
 IPC: * H04J-011/00; H04J-003/00; H04L-001/00; H04L-027/34; H04L-027/02
      H04L-027/10; H04L-027/18; H04N-005/38; H04N-005/44; H04N-005/46;
    H04N-005/78; H04N-005/7826; H04N-005/92; H04N-007/00; H04H-001/00;
   HO4N-007/24; HO4N-007/20
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441
 JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000312196 A2 20001107
 TRANSMITTER, RECEIVER AND TRANSMISSION METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 200085408 A 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
                                        19930326
 Applic (No, Kind, Date): JP 200085408 A
              H04J-011/00; H04J-003/00; H04L-027/34; H04N-005/38;
   H04N-005/445; H04N-007/08; H04N-007/081
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441
 JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000312197 A2 20001107
 SENDING DEVICE, RECEPTION DEVICE, TRANSMISSION DEVICE, TRANSMISSION
   METHOD AND RECEIVING METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 200085409 A 20000324; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): JP 200085409 A 20000324
 IPC: * H04J-011/00; H04B-014/04; H04J-003/00; H04L-001/00; H04L-027/34
    ; H04L-027/02; H04L-027/10; H04L-027/18; H04N-005/38; H04N-005/44;
   H04N-007/20; H04H-001/00
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441
 JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000312198 A2 20001107
 SENDING DEVICE, RECEPTION DEVICE, TRANSMISSION DEVICE AND TRANSMISSION
   METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 200095800 A 19930924; JP 92256070 A
   19920925; JP 9366461 A 19930325; JP 93132984 A
                                                      19930510
 Applic (No, Kind, Date): JP 200095800 A 19930924
 IPC: * H04J-011/00; H04L-027/34; H04N-005/40; H04N-005/44; H04N-007/00
   ; H04N-007/20
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
    94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
      00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441
  JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
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Patent (No, Kind, Date): JP 2000315992 A2 20001114
 TRANSMITTER AND RECEIVER (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 9267934 A 19920326; JP 92256070 A
   19920925
 Applic (No, Kind, Date): JP 200085411 A 20000101
               H04J-011/00; H04L-001/00;
                                           HO4L-027/00; HO4N-005/40;
   HO4N-005/455; HO4N-007/24; HO4N-007/30
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441
 JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2000324083 A2 20001124
 TRANSMITTER, RECEIVER, TRANSMISSION SYSTEM AND TRANSMISSION METHOD
    (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 200095801 A 19930924; JP 92256070 A
   19920925; JP 9366461 A 19930325; JP 93132984 A
                                                     19930510.
 Applic (No, Kind, Date): JP 200095801 A 19930924
               H04J-011/00;
                             H04L-027/36; H04L-027/38;
                                                         H04N-007/08;
   H04N-007/081; H04N-007/20
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
    94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
      00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441
 JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2001093159 A2 20010406
 OPTICAL DISK AND OPTICAL DISK PLAYER (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
  MORIYA MITSURO; KOISHI KENJI
 Priority (No, Kind, Date): JP 2000271625 A
                                               20000907; JP 95261247 A
     19951009; JP 968910 A 19960123
 Applic (No, Kind, Date): JP 2000271625 A
                                         20000907
 IPC: * G11B-007/007; G11B-020/10
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2001101668 A2 20010413
 OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
  KOISHI KENJI; MORIYA MITSURO
 Priority (No, Kind, Date): JP 2000275439 A
                                               20000911; JP 95261247 A
     19951009; JP 968910 A 19960123
 Applic (No, Kind, Date): JP 2000275439 A 20000911
 IPC: * G11B-007/007; G11B-020/10
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2001101669 A2 20010413
 OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
  KOISHI KENJI; MORIYA MITSURO
 Priority (No, Kind, Date): JP 2000275440 A
                                               20000911; JP 95261247 A
     19951009; JP 968910 A 19960123
 Applic (No, Kind, Date): JP 2000275440 A 20000911
 IPC: * G11B-007/007; G11B-020/10
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2001110062 A2 20010420
 OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)
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Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
  MORIYA MITSURO; KOISHI KENJI
 Priority (No, Kind, Date): JP 2000271624 A
                                              19960515; JP 95261247 A
     19951009; JP 968910 A 19960123
 Applic (No, Kind, Date): JP 2000271624 A 19960515
 IPC: * G11B-007/007; G11B-020/10
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2001160833 A2 20010612
 RECEIVER AND RECEPTION METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 2000296301 A 20000928; JP 9162798 A
    19910327; JP 9195813 A 19910425; JP 91155650 A
   91182236 A 19910723; JP 9260739 A 19920317
 Applic (No, Kind, Date): JP 2000296301 A 20000928
 IPC: * H04L-027/00; H04B-001/16; H04L-027/38; H04N-007/24
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2001160838 A2 20010612
 RECEIVER AND RECEPTION METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 2000296300 A 20000928; JP 9162798 A
    19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
   91182236 A 19910723; JP 9260739 A 19920317
 Applic (No, Kind, Date): JP 2000296300 A 20000928
 IPC: * H04L-027/34; H04J-003/00; H04N-005/40
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2001211138 A2 20010803
 TRANSMISSION DEVICE AND RECEPTION DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 2000375627 A 20001211; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): JP 2000375627 A 20001211
 IPC: * H04J-011/00; H04L-027/34; H04L-027/18; H04N-005/38; H04N-005/44
   ; H04N-007/08; H04N-007/081
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
    00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
      00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441
 JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2001217804 A2 20010810
 SENDER, RECEIVER, TRANSMITTER, SENDING METHOD AND RECEIVING METHOD
    (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
                                              20001218; JP 92256070 A
 Priority (No, Kind, Date): JP 2000383210 A
     19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No, Kind, Date): JP 2000383210 A 20001218
      *
              H04J-011/00; H04L-027/34; H04L-027/18;
                                                        H04N-005/40;
 IPC:
   H04N-005/455; H04N-005/46; H04N-007/015; H04N-007/20
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
    94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
      00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441
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JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2001217805 A2 20010810
 TRANSMITTER, RECEIVER, TRANSMISSION EQUIPMENT, TRANSMISSION METHOD AND
   RECEIVING METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 2000383257 A 20001218; JP 92256070 A
     19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No, Kind, Date): JP 2000383257 A 20001218
 IPC: * H04J-011/00; H04L-027/34; H04L-027/18; H04N-005/38; H04N-005/44
   ; H04N-007/08; H04N-007/081
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
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      00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441
 JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2001217806 A2 20010810
 TRANSMITTER, RECEIVER, TRANSMISSION EQUIPMENT, TRANSMISSION METHOD AND
   RECEIVING METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 2000383303 A 20001218; JP 92256070 A
     19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No, Kind, Date): JP 2000383303 A 20001218
              HO4J-011/00; HO4L-027/34;
                                          H04L-027/18;
                                                        H04N-005/44;
 IPC:
   H04N-007/015; H04N-007/08; H04N-007/081
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
    94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
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   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441
 JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2001217807 A2 20010810
 TRANSMITTER, RECEIVER, TRANSMISSION EQUIPMENT, TRANSMISSION METHOD AND
   RECEIVING METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 2000383395 A 20001218; JP 92256070 A
     19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No, Kind, Date): JP 2000383395 A 20001218
              H04J-011/00; H04L-027/34;
                                           H04L-027/18;
   HO4N-005/455; HO4N-005/46; HO4N-007/08; HO4N-007/081
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
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   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
     01-063439; G 01-063440; G 01-063441
 JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2001217808 A2 20010810
 TRANSMITTER, RECEIVER, TRANSMISSION EQUIPMENT, TRANSMISSION METHOD AND
   RECEIVING METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 2000383425 A
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     19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No, Kind, Date): JP 2000383425 A 20001218
               HO4J-011/00; HO4L-027/34;
                                                        H04N-005/40;
                                           HO4L-027/18;
 IPC:
   HO4N-005/455; HO4N-005/46; HO4N-007/08; HO4N-007/081
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JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2001217809 A2 20010810
 TRANSMITTER, RECEIVER, TRANSMISSION EQUIPMENT, TRANSMISSION METHOD AND
   RECEIVING METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 2000383459 A 20001218; JP 92256070 A
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 Applic (No, Kind, Date): JP 2000383459 A 20001218
 IPC: * H04J-011/00; H04L-027/34; H04L-027/00; H04L-027/18; H04N-005/40
   ; H04N-005/455; H04N-005/46; H04N-007/24; H04N-007/08; H04N-007/081
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  G 01-063439; G 01-063440; G 01-063441
 JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2001217810 A2 20010810
 TRANSMITTER, RECEIVER, TRANSMISSION EQUIPMENT, TRANSMISSION DEVICE AND
   RECEIVING METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 2000383489 A 20001218; JP 92256070 A
                             19930325; JP 93132984 A 19930510
     19920925; JP 9366461 A
 Applic (No, Kind, Date): JP 2000383489 A 20001218
 IPC: * H04J-011/00; H04L-027/34; H04L-027/00; H04L-027/18; H04N-005/40
   ; H04N-005/455; H04N-005/46; H04N-007/24; H04N-007/08; H04N-007/081
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
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   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441
 JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2001217811 A2 20010810
 TRANSMITTER AND RECEIVER (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 2000383523 A 20001218; JP 92256070 A
     19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No, Kind, Date): JP 2000383523 A 20001218
               HO4J-011/00; HO4L-027/34; HO4L-027/18;
                                                         H04N-005/40;
   HO4N-005/445; HO4N-005/46; HO4N-007/08; HO4N-007/081
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
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   G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
  G 01-063439; G 01-063440; G 01-063441
 JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2001217890 A2 20010810
 RECEIVER AND RECEPTION METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 2000381901 A
                                            20001215; JP 9162798 A
                               19910425; JP 91155650 A 19910529; JP
    19910327; JP 9195813 A
                19910723; JP 9260739 A 19920317
   91182236 A
 Applic (No, Kind, Date): JP 2000381901 A 20001215
 IPC: * H04L-027/34; H04L-027/18; H04N-005/38; H04N-005/44
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
    00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
     00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2001223669 A2 20010817
 TRANSMITTER, RECEIVER, TRANSMISSION SYSTEM, TRANSMISSION METHOD AND
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RECEPTION METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 2000383341 A 20001218; JP 92256070 A
     19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No, Kind, Date): JP 2000383341 A 20001218
 IPC: * H04J-011/00; H04H-001/00; H04L-027/34; H04L-027/18; H04N-007/08
   ; H04N-007/081
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
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 JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2002057650 A2 20020222
 RECEIVER (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 2001173882 A 20010608; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): JP 2001173882 A 20010608
              HO4J-011/00; HO4L-027/38; HO4N-005/40;
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   HO4N-005/455; HO4N-007/08; HO4N-007/081; HO4N-007/24
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  G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 2002074858 A2 20020315
 Priority (No, Kind, Date): JP 2001224159 A 20010725; JP 93335165 A
      19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP
   94156089 A
                19940707; JP 94299508 A 19941202
 Applic (No, Kind, Date): JP 2001224159 A 20010725
            G11B-020/12; G11B-007/004; G11B-007/0045; G11B-007/005;
   G11B-007/007; G11B-020/10
 Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G
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 Language of Document: Japanese
Patent (No, Kind, Date): JP 2002092894 A2 20020329
 Priority (No, Kind, Date): JP 2001224158 A 20010725; JP 93335165 A
      19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP
                19940707; JP 94299508 A 19941202
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 Applic (No, Kind, Date): JP 2001224158 A 20010725
            G11B-007/007; G11B-007/004; G11B-007/24; G11B-020/10;
   G11B-020/12
 Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G
   01-018026
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3008651 B2 20000214
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI
                                            19920327; JP 9162798 A1
 Priority (No, Kind, Date): JP 9268935
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    19910327; JP 9195813 A1 19910425; JP 91155650 A1 19910529; JP
   91182236 A1 19910723; JP 9260739 A1 19920317
 Applic (No, Kind, Date): JP 9268935 A 19920327
                            HO4J-003/00; HO4L-027/38; HO4N-007/015;
             H04L-027/36;
   HO4N-007/20; HO4N-007/24
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3042780 B2 20000522
 Priority (No, Kind, Date): JP 99257245 A 19990910; JP 95261247 A
   19951009; JP 968910 A 19960123
 Applic (No, Kind, Date): JP 99257245 A
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             G11B-007/007; G06K-019/00; G11B-007/004;
                                                         G11B-007/24;
 IPC:
   G11B-019/04; G11B-020/10; G11B-023/36; G11B-027/28
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
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Language of Document: Japanese
Patent (No, Kind, Date): JP 3042781 B2 20000522
 Priority (No, Kind, Date): JP 99257252 A 19990910; JP 95261247 A
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 Applic (No, Kind, Date): JP 99257252 A
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            G11B-007/007; G06K-019/00; G11B-007/004; G11B-007/005;
   G11B-007/24; G11B-019/04; G11B-020/10; G11B-023/36; G11B-027/28
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3061053 B2 20000710
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 99169243 A
                                           19990616; JP 9162798 A
    19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
   91182236 A 19910723; JP 9260739 A 19920317
 Applic (No, Kind, Date): JP 99169243 A 19990616
             H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;
   H04N-007/20
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3061054 B2 20000710
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI
                                           19990616; JP 9162798 A
 Priority (No, Kind, Date):
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    19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
   91182236 A 19910723; JP 9260739 A 19920317
 Applic (No, Kind, Date): JP 99169244 A 19990616
             H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;
   H04N-007/20
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3061055 B2 20000710
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI
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 Priority (No, Kind, Date):
    19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
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 Applic (No, Kind, Date): JP 99169245 A 19990616
             H04L-027/36;
                          H04J-003/00; H04L-027/38; H04N-007/015;
   H04N-007/20
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3061056 B2 20000710
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 99169248 A 19990616; JP 9162798 A
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 Applic (No, Kind, Date): JP 99169248 A 19990616
             H04L-027/36;
                          H04J-003/00; H04L-027/38; H04N-007/015;
   H04N-007/20
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3089599 B2 20000918
 Priority (No, Kind, Date): JP 95261247 A
                                              19951009; JP 968910 A
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 Applic (No, Kind, Date): JP 99257246 A
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 IPC: * G11B-007/24; G11B-007/004; G11B-007/007; G11B-020/10
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3089600 B2 20000918
 Priority (No, Kind, Date): JP 95261247 A 19951009; JP 968910 A
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 Applic (No, Kind, Date): JP 99257249 A
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 IPC: * G11B-007/24; G11B-007/007; G11B-020/10
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3089601 B2 20000918
 Priority (No, Kind, Date): JP 95261247
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 IPC: * G11B-007/005; G11B-020/10
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Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3092620 B2 20000925
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 99169246 A 19990616; JP 9162798 A
    19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
   91182236 A 19910723; JP 9260739 A 19920317
 Applic (No, Kind, Date): JP 99169246 A 19990616
 IPC: * H04L-027/36; H04J-007/00; H04L-027/38; H04N-007/015
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3092621 B2 20000925
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 99169247 A 19990616; JP 9162798 A
    19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
   91182236 A 19910723; JP 9260739 A 19920317
 Applic (No, Kind, Date): JP 99169247 A 19990616
 IPC: * H04L-027/36; H04J-007/00; H04L-027/38; H04N-007/015
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3097914 B2 20001010
 Priority (No, Kind, Date): JP 95261247 A 19951009; JP 968910 A
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 Applic (No, Kind, Date): JP 99257251 A
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 IPC: * G11B-007/004; G11B-007/26; G11B-020/10
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3097916 B2 20001010
 Priority (No, Kind, Date):
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 Applic (No, Kind, Date): JP 99375208 A
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 IPC: * G11B-007/007; G11B-007/24; G11B-020/10; G11B-020/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3097917 B2 20001010
 Priority (No, Kind, Date): JP 95261247
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                                          G11B-007/24; G11B-020/10;
 IPC:
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 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3109552 B2 20001120
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 9368545
                                        A 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): JP 9368545 A 19930326
              H04J-011/00;
                            H04L-027/36; H04L-027/38; H04N-005/40;
   HO4N-007/015; HO4N-007/20; HO4N-011/04
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3111776 B2 20001127
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI
                                           19930924; JP 92256070 A
 Priority (No, Kind, Date): JP 93261611 A
   19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No, Kind, Date): JP 93261611 A 19930924
 IPC: * H04J-011/00
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3112012 B2 20001127
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI
                                            19991012; JP 9162798 A
 Priority (No, Kind, Date): JP 99289582 A
    19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
                19910723; JP 9260739 A 19920317
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 Applic (No, Kind, Date): JP 99289582 A 19991012
 IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24
 Language of Document: Japanese
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Patent (No, Kind, Date): JP 3112013 B2 20001127
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 99289583 A 19991012; JP 9162798 A
    19910327; JP 9195813 A 19910425; JP 91155650 A
               19910723; JP 9260739 A 19920317
   91182236 A
 Applic (No, Kind, Date): JP 99289583 A 19991012
 IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3112014 B2 20001127
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI
 Priority (No, Kind, Date):
                          JP 99289586 A 19991012; JP 9162798 A
    19910327; JP 9195813 A 19910425; JP 91155650 A
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 Applic (No, Kind, Date): JP 99289586 A 19991012
 IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/015
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3114727 B2 20001204
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI
 Priority (No, Kind, Date): JP 99289584 A 19991012; JP 9162798 A
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 Applic (No, Kind, Date): JP 99289584 A 19991012
 IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3114728 B2 20001204
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI
 Priority (No, Kind, Date):
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   91182236 A
 Applic (No, Kind, Date): JP 99289585 A 19991012
 IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3143454 B2 20010307
 Priority (No, Kind, Date): JP 2000275439 A 20000911; JP 95261247 A
     19951009; JP 968910 A 19960123
 Applic (No, Kind, Date): JP 2000275439 A
                                          20000911
            G11B-007/007; G11B-007/004; G11B-007/24;
 IPC:
                                                          G11B-020/10:
   G11B-020/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3143455 B2 20010307
 Priority (No, Kind, Date): JP 2000275440 A 20000911; JP 95261247 A
     19951009; JP 968910 A 19960123
 Applic (No, Kind, Date): JP 2000275440 A
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            G11B-007/007; G11B-007/004; G11B-007/24;
                                                          G11B-020/10;
 IPC:
   G11B-020/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3144422 B2 20010312
 Priority (No, Kind, Date): JP 95261247 A 19951009; JP 968910 A
   19960123; JP 96211304 A 19960809
 Applic (No, Kind, Date): JP 99373896 A
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 IPC: * G11B-020/10; G11B-007/0045; G11B-019/04
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3144423 B2 20010312
                                              19951009; JP 968910 A
 Priority (No, Kind, Date): JP 95261247
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   19960123; JP 96211304 A 19960809
 Applic (No, Kind, Date): JP 99373901 A
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 IPC: * G11B-020/10; G11B-007/0045
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3147120 B2 20010319
  Priority (No, Kind, Date): JP 95261247 A 19951009; JP 968910 A
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19960123; JP 96211304 A 19960809
 Applic (No, Kind, Date): JP 99373898 A
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 IPC: * G11B-020/10; G11B-007/005
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3147121 B2 20010319
 Priority (No, Kind, Date): JP 95261247
                                              19951009; JP 968910 A
   19960123; JP 96211304 A 19960809
 Applic (No, Kind, Date): JP 99373900 A
                                        19991228
 IPC: * G11B-020/10; G11B-007/0045
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3154704 B2 20010409
 Priority (No, Kind, Date): JP 200085407 A 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): JP 200085407 A
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 IPC: * H04J-011/00; H04L-027/02; H04N-005/38
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
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   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441
 JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3154705 B2 20010409
 Priority (No, Kind, Date): JP 200085408 A 19930326; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): JP 200085408 A
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 IPC: * H04J-011/00; H04L-027/02; H04N-005/38
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  G 01-063441
 JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3154706 B2 20010409
 Priority (No, Kind, Date): JP 200085409 A 20000324; JP 9267934 A
   19920326; JP 92256070 A 19920925
 Applic (No, Kind, Date): JP 200085409 A
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 IPC: * H04J-011/00; H04L-027/02; H04N-005/38
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
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  G 01-063441
 JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3154707 B2 20010409
 Priority (No, Kind, Date): JP 200085410 A 20000324; JP 9267934 A
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 Applic (No, Kind, Date): JP 200085410 A
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 IPC: * H04J-011/00; H04L-027/02; H04N-005/38
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
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   G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
  G 01-063441
 JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
Patent (No, Kind, Date): JP 3154708 B2 20010409
 Priority (No, Kind, Date): JP 200095800 A 19930924; JP 92256070 A
   19920925; JP 9366461 A
                           19930325; JP 93132984 A
 Applic (No, Kind, Date): JP 200095800 A
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 IPC: * H04J-011/00; H04L-027/34; H04N-007/00
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
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               19920326; JP 92111176 A 19920430; JP 92194450 A
   19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP
              19930325; JP 93107423 A 19930409; JP 93205682 A
   19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP
   94104879 A 19940418; JP 94156089 A 19940707; US 184117 A2
   19940121; US 9709 A2 19930127
 Applic (No, Kind, Date): US 281337 A 19940727
 National Class: * 369032000; 369047000; 369054000
 IPC: * G11B-017/22
 Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
   94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G
   96-062972; G 98-181451; G 01-018026
 JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
   180522P000136; 180618P000070
 Language of Document: English
Patent (No, Kind, Date): US 5526328 A 19960611
 RECORDING AND REPRODUCING APPARATUS WITH VARYING AMOUNTS OF DATA IN
   DIFFERENT TRACKS (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE
                                                           (JP); KOUDO
   TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI
   TANAKA MICHIRO (JP); TAN SATOSHI (JP)
 Priority (No, Kind, Date): US 184117 A 19940121; JP 9213809 A
   19920129; JP 9242558 A 19920228; JP 9250328 A
   9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A
   19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP
   9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A
   19930727; JP 93297504 A
                            19931102; JP 93314114 A 19931119; US
   9709 A2 19930127
 Applic (No, Kind, Date): US 184117 A
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 National Class: * 369013000; 369032000
 IPC: * G11B-011/00
 Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
   94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G
   01-018026
 JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
   180522P000136; 180618P000070
 Language of Document: English
Patent (No, Kind, Date): US 5555275 A 19960910
 MULTI-THRESHOLD AND HIERARCHICAL TELEVISION SIGNAL TRANSMISSION SYSTEM
    (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): US 417269 A 19950405; JP 9162798 A
   19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
   91182236 A
               19910723; JP 9260739 A
                                        19920317; US 857627 B1
   19920325
 Applic (No, Kind, Date): US 417269 A
                                     19950405
 National Class: * 375261000; 375298000; 375324000; 332103000;
   329304000; 348724000; 348726000
 IPC: * H04L-005/12; H04L-023/02; H04L-027/22; H04L-027/20
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
   00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
   00-184730; G 00-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: English
Patent (No, Kind, Date): US 5600672 A 19970204
 COMMUNICATION SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); SAKASHITA SEIJI
 Priority (No, Kind, Date): US 240521 A 19940510; JP 9162798 A
   19910327; JP 9195813 A 19910425; JP 91155650 A
                                                     19910529; JP
   91182236 A
               19910723; JP 9260739 A 19920317; JP 93132984 A
   19930510; JP 93261612 A 19930924; JP 93349972 A
                                                      19931227; JP
   9479668 A 19940324; US 857627 A2 19920325
 Applic (No, Kind, Date): US 240521 A 19940510
 National Class: * 375219000; 375270000; 375301000; 375321000
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19920309; JP

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IPC: * H04L-005/16; H04B-001/38
 Derwent WPI Acc No: * G 92-325674; G 94-103292; G 94-311606; G
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   00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G
   00-184731; G 00-589072; G 00-595507; G 01-063437; G 01-063438; G
   01-063439; G 01-063440; G 01-063441
 JAPIO Reference No: * 180152E000002
 Language of Document: English
                                      19971028
Patent (No, Kind, Date): US 5682360 A
 RECORDING AND REPRODUCING APPARATUS FOR USE WITH A RECORDING MEDIUM
   HAVING AN OPTICAL RECORDING LAYER AND MAGNETIC RECORDING LAYER
    (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
                                          19920129; JP 9242558 A
 Priority (No, Kind, Date): JP 9213809 A
   19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP
               19920430; JP 92194450 A 19920722; JP 92280874 A
   92111176 A
   19920925
 Applic (No, Kind, Date): US 9709 A
                                     19930127
 National Class: * 369013000; 360059000; 360114000
 IPC: * G11B-011/00; G11B-005/127
 Derwent WPI Acc No: * G 93-251292; G 93-313529
 JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
   180522P000136; 180618P000070
 Language of Document: English
Patent (No, Kind, Date): US 5699331 A 19971216
 APPARATUS OPERATING WITH RECORDING MEDIUM ACCORDING TO POSITIONAL
   INFORMATION OF A SECRET CODE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): US 534771 A 19950927; JP 9213809 A
   19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP
   9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A
   19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP
   9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A
   19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP
   94104879 A 19940418; JP 94156089 A 19940707; US 281337 A3
   19940727; US 184117 A2 19940121; US 9709 A2 19930127
 Applic (No, Kind, Date): US 534771 A 19950927
 Addnl Info: 5473584 Patented; 5526328 Patented
 National Class: * 369032000; 369047000; 369054000
 IPC: * G11B-017/22
 Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
   94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G
   96-062972; G 98-181451; G 01-018026
 JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
   180522P000136; 180618P000070
 Language of Document: English
Patent (No, Kind, Date): US 5761301 A
                                      19980602
 MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK,
   REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL
   DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
 Priority (No, Kind, Date): JP 94283415 A
                                           19941117; JP 9516153 A
   19950202; JP 95261247 A 19951009
 Applic (No, Kind, Date): US 560015 A
                                       19951117
 National Class: * 380004000; 369272000; 235494000
 IPC: * H04K-001/00
 Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G
   97-236119
 Language of Document: English
Patent (No, Kind, Date): US 5802241 A
                                      19980901
 COMMUNICATION SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): US 706376 A 19960830; JP 9267934 A
   19920326; JP 92256070 A 19920925; JP 9366461 A 19930325; JP
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   93132984 A
   19931227; US 217895 B1 19940325; US 126589 A2 19930927; US 37108
   A2 19930325
 Applic (No, Kind, Date): US 706376 A 19960830
 National Class: * 386046000; 348723000
 IPC: * H04N-005/91; H04N-005/38
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
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   00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G
   01-063439; G 01-063440; G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
                                      19980908
Patent (No, Kind, Date): US 5805551 A
 METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPY OR ILLEGAL
   INSTALLATION OF INFORMATION OF OPTICAL RECORDING MEDIUM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
                                         19970425; JP 94104879
 Priority (No, Kind, Date): US 845794 A
   19940418; JP 94283415 A 19941117; JP 94327963 A
                                                      19941228; JP
               19950201; JP 9516865 A
                                         19950203; US 423668 A3
   19950418; US 281337 A2 19940727
 Applic (No, Kind, Date): US 845794 A
                                      19970425
 Addnl Info: 5473584 19951205 Patented
 National Class: * 369059000; 369047000; 369048000; 369058000;
   360048000
 IPC: * G11B-007/00
 Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G
   96-268785; G 01-018026
 Language of Document: English
Patent (No, Kind, Date): US 5807640 A
                                      19980915
 OPTICAL RECORDING MEDIUM, REPRODUCING SYSTEM, METHOD OF REPRODUCING
   OPTICAL DISK, METHOD OF FABRICATING OPTICAL DISK ORIGINAL RECORD, AND
   METHOD OF STOPPING ILLEGAL PROGRAM OPERATION (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 93335165 A
                                          19931228; JP 9422191 A
   19940120; JP 94104879 A 19940418; JP 94156089 A
                19941202; WO 94JP2304 W
                                          19941228
   94299508 A
 Applic (No, Kind, Date): US 507495 A 19950828
 National Class: * 428064100; 428064200; 428064400; 428913000;
   369275100; 369284000
 IPC: * B32B-003/00
 Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G
   01-018026
 Language of Document: English
Patent (No, Kind, Date): US 5819000 A
                                      19981006
 MAGNETIC RECORDING AND PLAYBACK APPARATUS (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): JP 9267934 A
                                          19920326; JP 92256070 A
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 Applic (No, Kind, Date): US 37108 A
                                     19930325
 National Class: * 386046000; 348723000
 IPC: * H04N-005/91; H04N-005/38
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
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   00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G
   00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G
   01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): US 5881038 A
                                      19990309
 METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPY OR ILLEGAL
   INSTALLATION OF INFORMATION OF OPTICAL RECORDING MEDIUM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
 Priority (No, Kind, Date): US 423668 A 19950418; JP 94104879 A
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               19950201; JP 9516865 A 19950203; US 281337 A2
   9515318 A
   19940727
 Applic (No, Kind, Date): US 423668 A 19950418
 National Class: * 369059000; 369084000; 369058000; 369054000;
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 IPC: * G11B-007/00
 Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G
   96-268785; G 01-018026
 Language of Document: English
                                     19990406
Patent (No, Kind, Date): US 5892879 A
 COMMUNICATION SYSTEM FOR PLURAL DATA STREAMS (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
                                         19930927; JP 9267934 A
 Priority (No, Kind, Date): US 126589 A
   19920326; JP 92256070 A 19920925; JP 9366461 A 19930325; JP
                19930510; US 37108 A2 19930325
 Applic (No, Kind, Date): US 126589 A 19930927
 National Class: * 386046000; 348726000
 IPC: * H04N-005/91; H04N-005/38
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
   94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
   00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G
   00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G
   01-063439; G 01-063440; G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): US 5959948 A 19990928
 RECORDING AND REPRODUCING APPARATUS (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): US 970162 A 19971113; JP 9213809 A
   19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP
              19920326; JP 92111176 A 19920430; JP 92194450 A
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   19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP
   9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A
   19930727; JP 93297504 A 19931102; JP 93314114 A
                                                       19931119; JP
   93349972 A 19931227; JP 94104879 A 19940418; JP 94156089 A
   19940707; US 534771 A1 19950927; US 281337 A3 19940727; US 184117
   A2 19940121; US 9709 A2 19930127
 Applic (No, Kind, Date): US 970162 A
                                      19971113
 Addnl Info: 5699331 Patented; 5473584 Patented; 5526328 Patented
 National Class: * 369032000; 369047000; 369054000
 IPC: * G11B-017/22
 Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
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   95-373939; G 96-062972; G 98-181451; G 01-018026
 JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
   180522P000136; 180618P000070
 Language of Document: English
Patent (No, Kind, Date): US 5999569 A
                                      19991207
 COMMUNICATION SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): US 61979 A 19980417; JP 9267934 A
   19920326; JP 92256070 A 19920925; US 37108 A3 19930325
 Applic (No, Kind, Date): US 61979 A 19980417
 Addnl Info: 5819000 Patented
 National Class: * 375265000; 348608000; 348607000; 348726000
 IPC: * H04L-027/28; H04L-005/12; H04L-023/02
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
   00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
   00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G
   00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G
   01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): US 6049651 A 20000411
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COMMUNICATION SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): US 64147 A 19980422; JP 9267934 A
   19920326; JP 92256070 A 19920925; JP 9366461 A 19930325; US
   126589 A3 19930927; US 37108 A1 19930325
 Applic (No, Kind, Date): US 64147 A 19980422
 Addnl Info: 5892879 Patented; 5819000 Patented
 National Class: * 386046000; 386123000; 348726000
 IPC: * HO4N-005/91; HO4N-007/015; HO4N-005/38
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
   94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
   00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G
   00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G
   01-063439; G 01-063440; G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: English
Patent (No, Kind, Date): US 6052465 A 20000418
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
   REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
   FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
   MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): JP 95261247 A 19951009; JP 968910 A
   19960123
 Applic (No, Kind, Date): US 649411 A 19960516
 National Class: * 380004000
 IPC: * H04L-009/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): US 6081785 A
                                      20000627
 OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCER, CRYTOCOMMUNICATION
   SYSTEM AND PROGRAM LICENSE SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI
             (JP)
 Priority (No, Kind, Date): JP 95261247 A
                                          19951009; JP 968910 A
   19960123; JP 96211304 A 19960809; WO 96JP2924 W
 Applic (No, Kind, Date): US 849468 A 19970609
 National Class: * 705001000; 380201000; 369272000
 IPC: * H04K-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): US 6122373 A
                                      20000919
 OPTICAL DISK, OPTICAL DISK BARCODE FORMING METHOD, OPTICAL DISK
   REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
   FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
   MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
                                                         (JP); TANAKA
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI
            (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
   SHINICHI
 Priority (No, Kind, Date): US 404506 A 19990923; JP 95261247 A
   19951009; JP 968910 A 19960123; US 649411 A3 19960516
 Applic (No, Kind, Date): US 404506 A 19990923
 National Class: * 380004000
 IPC: * H04L-009/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No.Kind, Date): US 6125181 A
                                      20000926
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL
   REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
   FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
   MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
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SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): US 404639 A 19990923; JP 95261247 A
   19951009; JP 968910 A 19960123; US 649411 A3 19960516
 Applic (No, Kind, Date): US 404639 A 19990923
 National Class: * 380002000
 IPC: * H04K-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
                                     20001003
Patent (No, Kind, Date): US 6128388 A
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
   REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
   FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
   MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI
                                                         (JP); TANAKA
            (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
   SHINICHI
 Priority (No, Kind, Date): US 401114 A 19990922; JP 95261247 A
   19951009; JP 968910 A 19960123; US 649411 A3 19960516
 Applic (No, Kind, Date): US 401114 A 19990922
 National Class: * 380059000
 IPC: * H04L-009/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No.Kind, Date): US 6141419 A 20001031
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
   REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
   FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
   MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
            (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
   SHINICHI
 Priority (No, Kind, Date): US 441338 A 19991116; JP 95261247 A
   19951009; JP 968910 A 19960123; US 649411 A1 19960516
 Applic (No, Kind, Date): US 441338 A
                                      19991116
 National Class: * 380004000
 IPC: * H04L-009/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): US 6144742 A
                                     20001107
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
   REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
   FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
   MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
                                                         (JP); TANAKA
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): US 401669 A 19990922; US 649411 A3
   19960516
 Applic (No, Kind, Date): US 401669 A 19990922
 Addnl Info: 6052465 Patented
 National Class: * 380004000
 IPC: * H04L-009/00
 Language of Document: English
Patent (No, Kind, Date): US 6160888 A 20001212
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
   REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
   FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
   MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
            (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
   SHINICHI
 Priority (No, Kind, Date): US 441337 A 19991116; JP 95261247 A
   19951009; JP 968910 A
                          19960123; US 649411 A1 19960516
 Applic (No, Kind, Date): US 441337 A 19991116
 National Class: * 380203000; 380201000; 713193000; 705051000;
   705057000
  IPC: * H04N-007/167
  Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
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Language of Document: English
Patent (No, Kind, Date): US 20010013023 AA 20010809
 RECORDABLE OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI (JP)
 Priority (No, Kind, Date): US 450438 A
                                       19991130; JP 95261247 A
   19951009; JP 968910 A 19960123; JP 96211304 A
                                                    19960809; US
   849468 A1 19970609
 Applic (No, Kind, Date): US 450438 A
                                       19991130
 Addnl Info: 6081785 Patented
 National Class: * 705057000; 369084000; 369272000
 IPC: * G06F-017/60; G11B-007/26; G11B-007/28
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): US 20010021144 AA 20010913
 OPTICAL DISK, METHOD FOR RECORDING AND REPRODUCING WRITE-ONCE
   INFORMATION ON AND FROM OPTICAL DISK, OPTICAL DISK REPRODUCING
   DEVICE, OPTICAL DISK RECORDING AND REPRODUCING DEVICE, DEVICE FOR
   RECORDING WRITE-ONCE INFORMATION ON OPTICAL DISK, AND OPTICAL DISK
   RECORDING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); KONISHI SHINICHI (JP);
   TANAKA SHIN-ICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP);
   GOTOH YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP);
   MURAKAMI MOTOYOSHI (JP)
 Priority (No, Kind, Date): US 833995 A
                                         20010412; JP 96339304 A
   19961219; JP 979318 A
                          19970122; JP 97259110 A 19970924; US
   308550 A3 19990520
 Applic (No, Kind, Date): US 833995 A
                                       20010412
 Addnl Info: 6266299 Patented
 National Class: * 369013000; 369059180
 IPC: * G11B-011/00
 Derwent WPI Acc No: * G 98-363034
 Language of Document: English
Patent (No, Kind, Date): US 20010038578 AA 20011108
 MEDIUM, APPARATUS, AND METHOD RELATED TO ENCRYPTION RESULTANT
   INFORMATION (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): US 796534 A 20010302; JP 93205682 A
   19930727; JP 94104879 A 19940418; JP 94156089 A
   9213809 A 19920129; JP 9242558 A 19920228; JP 9250328 A
   19920309; JP 9268031 A 19920326; JP 92111176 A
                                                      19920430; JP
   92194450 A 19920722; JP 92280874 A 19920925; JP 938596 A
   19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP
                 19931102; JP 93314114 A 19931119; US 305318 A3
   93297504 A
   19990505; US 970162 A3 19971113; US 534771 A1 19950927; US 281337
   A3 19940727; US 184117 A2 19940121; US 9709 A2 19930127
 Applic (No, Kind, Date): US 796534 A
                                      20010302
 Addnl Info: 6243330 Patented; 5959948 Patented; 5699331 Patented;
   5473584 Patented; 5526328 Patented; 5682360 Patented
 National Class: * 369013000; 369053210; 369047110; 369053290
 IPC: * G11B-007/00
 Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
   94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G
   96-062972; G 98-181451; G 01-018026
 JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
   180522P000136; 180618P000070
 Language of Document: English
Patent (No, Kind, Date): US 20010055132 AA 20011227
 OPTICAL DISK RECORDABLE USING BOTH A CIPHER KEY AND DISK IDENTIFICATION
   INFORMATION FOR ENCRYPTION (English)
 Patent Assignee: OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
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SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI (JP)
 Priority (No, Kind, Date): US 450416 A 19991130; JP 95261247 A
   19951009; JP 968910 A 19960123; JP 96211304 A 19960809; US
   849468 A1 19970609
 Applic (No, Kind, Date): US 450416 A 19991130
 Addnl Info: 6081785 Patented
 National Class: * 359109000; 713189000
 IPC: * G02F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): US 20020046177 AA 20020418
 A RECORDABLE OPTICAL DISK INCLUDING AN AUXILIARY INFORMATION PRESENCE
   INDICATOR (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI (JP)
 Priority (No, Kind, Date): US 917877 A
                                         20010731; JP 95261247 A
   19951009; JP 968910 A 19960123; JP 96211304 A 19960809; US
   450416 A1 19991130
 Applic (No, Kind, Date): US 917877 A
                                      20010731
 National Class: * 705051000
 IPC: * G06F-017/60
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): US 20020049678 AA 20020425
 METHOD AND APPARATUS FOR ENCRYPTING AND RECORDING RECEIVED CONTENT
   INFORMATION ON A RECORDING MEDIUM USING BOTH MEDIUM IDENTIFICATION
   INFORMATION AND A CIPHER KEY FOR ENCRYPTION (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI (JP)
 Priority (No, Kind, Date): US 964378 A
                                         20010928; JP 95261247 A
   19951009; JP 968910 A 19960123; JP 96211304 A 19960809; US
   886130 Al 20010622; US 475228 Al 19991230; US 849468 Al
   19970609
 Applic (No, Kind, Date): US 964378 A
 National Class: * 705051000; 369053210; 369275300
 IPC: * H04K-001/00; G11B-011/03; G11B-015/04
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): US 20020070282 AA 20020613
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
   REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
   FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
   MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): US 67171 A 20020204; JP 95261247 A
   19951009; JP 968910 A 19960123; US 595139 A1 20000615; US 441338
   Al 19991116
 Applic (No, Kind, Date): US 67171 A 20020204
 National Class: * 235494000
 IPC: * G06K-019/06
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): US 20020073038 AA 20020613
 RECORDING MEDIUM, RECORDER, REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND
    PROGRAM LICENSE SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
    SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI (JP)
  Priority (No, Kind, Date): US 475228 A 19991230; JP 95261247 A
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19951009; JP 968910 A
                          19960123; US 649411 A1
 Applic (No, Kind, Date): US 441021 A 19991116
 National Class: * 380203000; 380201000; 713193000; 705051000;
   705057000
 IPC: * H04N-007/167
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): US 6229896 BA 20010508
 OPTICAL DISK, AN OPTICAL BARCODE FORMING METHOD, AN OPTICAL DISK
   REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
   FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
   MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI
                                                         (JP); TANAKA
            (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
   SHINICHI
 Priority (No, Kind, Date): US 440782 A 19991116; JP 95261247 A
   19951009; JP 968910 A 19960123; US 649411 A1 19960516
 Applic (No, Kind, Date): US 440782 A 19991116
 National Class: * 380203000; 380201000; 713193000; 705051000;
   705057000
 IPC: * H04N-007/167
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): US 6243330 BA 20010605
 RECORDING MEDIUM, APPARATUS, AND METHOD RELATED TO ENCRYPTION RESULTANT.
   INFORMATION (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): US 305318 A 19990505; JP 9213809 A
   19920129; JP 9242558 A 19920228; JP 9250328 A
                                                    19920309; JP
               19920326; JP 92111176 A 19920430; JP 92194450 A
   19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP
                19930727; JP 9392219 A 19930325; JP 93107423 A
   93205682 A
   19930409; JP 93297504 A 19931102; JP 93314114 A
                                                       19931119; JP
   94104879 A
                19940418; JP 94156089 A 19940707; US 970162 A3
   19971113; US 534771 A1 19950927; US 281337 A3 19940727; US 184117
   A2 19940121; US 9709 A2 19930127
 Applic (No, Kind, Date): US 305318 A
                                       19990505
 Addnl Info: 5959948 Patented; 5699331 Patented; 5473584 Patented;
   5526328 Patented; 5682360 Patented
 National Class: * 369032000; 369047100; 369053110
 IPC: * G11B-017/22
 Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
   94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G
   96-062972; G 98-181451; G 01-018026
 JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
   180522P000136; 180618P000070
 Language of Document: English
Patent (No, Kind, Date): US 6256357 BA 20010703
 COMMUNICATION SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): US 379746 A 19990824; JP 9267934 A
   19920326; JP 92256070 A 19920925; US 61979 A3 19980417; US 37108
   A3 19930325
 Applic (No, Kind, Date): US 379746 A
                                      19990824
 Addnl Info: 5999569 Patented; 5819000 Patented
 National Class: * 375261000; 375280000; 375298000; 375308000;
   375324000; 375332000; 348433000; 348555000; 348726000; 329304000;
   332103000
 IPC: * HO4N-005/46
  Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
   00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
   00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G
   00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G
   01-063441; G 02-050566
  JAPIO Reference No: * 180486E000144
 Language of Document: English
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Patent (No, Kind, Date): US 6266299 BA 20010724
 MAGNETO-OPTICAL DISK HAVING WRITE-ONCE IDENTIFICATION MARKS AND METHOD
   FOR RECORDING THEREOF (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
 Author (Inventor): OSHIMA MITSUAKI (JP); KONISHI SHINICHI (JP);
   TANAKA SHIN-ICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP);
   GOTOH YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP);
   MURAKAMI MOTOYOSHI (JP)
                                          19961219; JP 979318 A
 Priority (No, Kind, Date): JP 96339304 A
                            19970924; WO 97JP4664 W 19971217
   19970122; JP 97259110 A
 Applic (No, Kind, Date): US 308550 A 19990520
 National Class: * 369013000
 IPC: * G11B-011/00
 Derwent WPI Acc No: * G 98-363034
 Language of Document: English
Patent (No, Kind, Date): US 6278671 BA 20010821
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
   REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
   FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
   MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
            (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
   SHINICHI
 Priority (No, Kind, Date): US 679580 A 20001004; JP 95261247 A
   19951009; JP 968910 A 19960123; US 441281 A1 19991116; US 649411
   A1 19960516
 Applic (No, Kind, Date): US 679580 A
                                        20001004
 Addnl Info: 6052465 20000418 Patented
 National Class: * 369047190; 369047210; 369053410; 369059230;
   369275300
 IPC: * G11B-007/007
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): US 6285762 BA 20010904
 OPTICAL DISK, OPTICAL DISK BARCODE FORMING METHOD, OPTICAL DISK
   REPRODUCTION APPARATUS, MARKING FORMING APPARATUS, METHOD OF FORMING
   A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN
   OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI
                                                         (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): US 401935 A 19990923; JP 95261247 A
   19951009; JP 968910 A 19960123; US 649411 A3 19960516
 Applic (No, Kind, Date): US 401935 A
                                      19990923
 Addnl Info: 6052465 Patented
 National Class: * 380203000; 380201000; 713193000; 705051000;
   705057000
 IPC: * H04N-007/167
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): US 6285763 BA 20010904
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
   REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
   FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
   MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
                                                          (JP); TANAKA
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): US 441281 A
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   19951009; JP 968910 A 19960123; US 649411 A1 19960516
 Applic (No, Kind, Date): US 441281 A 19991116
 National Class: * 380203000; 380201000; 705051000; 705057000
 IPC: * H04N-007/167
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): US 6285764 BA 20010904
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
   REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
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FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
   MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): US 679233 A 20001004; JP 95261247 A
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 Applic (No, Kind, Date): US 679233 A
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 Addnl Info: 6052465 20000418 Patented
 National Class: * 380203000; 380201000; 713193000
 IPC: * H04N-007/167
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): US 6298138 BA 20011002
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
   REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
   FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
   MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI
                                                         (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): US 679505 A 20001004; JP 95261247 A
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 Addnl Info: 6052465 Patented
 National Class: * 380203000; 380201000; 713193000
 IPC: * HO4N-007/167
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): US 6301569 BA 20011009
 OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION
   SYSTEM AND PROGRAM LICENSE SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIRO (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
   YOSHINARI
             (JP)
 Priority (No, Kind, Date): US 450437 A
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   19951009; JP 968910 A 19960123; JP 96211304 A 19960809; US
   849468 A1 19970609
 Applic (No, Kind, Date): US 450437 A 19991130
 National Class: * 705057000; 369047000; 369084000; 369272000
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 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): US 6343282 BA 20020129
 OPTICAL DISK READING DEVICE USING BOTH A DECIPHER KEY AND DISK
   IDENTIFICATION INFORMATION (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
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 Priority (No, Kind, Date): US 450413 A 19991130; JP 95261247 A
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 Applic (No, Kind, Date): US 450413 A 19991130
 Addnl Info: 6081785 Patented
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 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): US 6408285 BA 20020618
 OPTICAL DISK READING DEVICE USING BOTH A DECIPHER KEY AND DISK
   IDENTIFICATION INFORMATION FOR DECRYPTION (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHINO (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
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YOSHINARI (JP) Priority (No, Kind, Date): US 450452 A 19991130; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809; US 849468 Al 19970609 Applic (No, Kind, Date): US 450452 A 19991130 Addnl Info: 6081785 Patented National Class: * 705057000 IPC: * G06F-017/60 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119 Language of Document: English Patent (No, Kind, Date): US 6381588 BB 20020430 OPTICAL DISK RECORDABLE USING BOTH A CIPHER KEY AND DISK IDENTIFICATION INFORMATION FOR ENCRYPTION (English) Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US) Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP) Priority (No, Kind, Date): US 450416 A 19991130; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809; US 849468 Al 19970609 Applic (No, Kind, Date): US 450416 A 19991130 National Class: * 705059000 IPC: * G06F-017/60 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119 Language of Document: English UNITED STATES OF AMERICA (US) Legal Status (No, Type, Date, Code, Text): 19950828 US REFW CORRESPONDS TO PCT US 95507495 Α APPLICATION (ENTSPRICHT PCT ANMELDUNG) WO 9518443 P 19970609 US REFW CORRESPONDS TO PCT US 97849468 Α APPLICATION (ENTSPRICHT PCT ANMELDUNG) WO 9714144 P US 5473584 19920129 US AA PRIORITY (PATENT) JP 9213809 A 19920129 US 5473584 19920228 US AA PRIORITY (PATENT) JP 9242558 A 19920228 US 5473584 19920309 US AA PRIORITY (PATENT) JP 9250328 A 19920309 US 5473584 19920326 US AA PRIORITY (PATENT) JP 9268031 A 19920326 US 5473584 Ρ 19920430 US AA PRIORITY (PATENT) JP 92111176 A 19920430 19920722 US AA PRIORITY (PATENT) US 5473584 Ρ JP 92194450 A 19920722 US 5473584 Ρ 19920925 US AA PRIORITY (PATENT) JP 92280874 A 19920925 US 5473584 Ρ 19930121 US AA PRIORITY (PATENT) 19930121 JP 938596 A US 5473584 Ρ 19930127 US AA PRIORITY US 9709 A2 19930127 US 5473584 Ρ 19930325 US AA PRIORITY (PATENT) JP 9392219 A 19930325 US 5473584 Р 19930409 US AA PRIORITY (PATENT) JP 93107423 A 19930409 US 5473584 P 19930727 US AA PRIORITY (PATENT) JP 93205682 A 19930727 US 5473584 19931102 US AA PRIORITY (PATENT) JP 93297504 A 19931102 US 5473584 19931119 US AA PRIORITY (PATENT) JP 93314114 A 19931119

19940121 US AA

19940418 US AA

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US 184117 A2 19940121

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US 5473584

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| | | | MATSUSHITA ELECTRIC IDNUSTRIAL CO., LTD. |
| | | | 1006, OAZA KADOMA KADOMA-SHI, OSAKA, JA ; |
| | 5.47250.4 | _ | OSHIMA, MITSUAKI : 19940906 |
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| | | | INTEREST MITSUSHITA ELECTRIC INDUSTRIAL CO., LTD. |
| | | | 1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ; |
| | | | OSHIMA, MITSUAKI : 19940317; SHIMIZU, RYOSUKE |
| | | | : 19940317; KOUDO, TOSHIKAZU : 19940317; |
| | F.F.O.C.200 | Б. | YOSHIURA, TSUKASA : 19940317; MAT : 19940317; |
| US | 5526328 | Р | 19950516 US AS28 CORRECTED ASSIGNMENT MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. |
| | | | KADOMA-SHI 1006, OAZA KADOMA OSAKA, JAP ; |
| | | | OSHIMA, MITSUAKI : 19940317; SHIMIZU, RYOSUKE |
| | | | : 19940317; KOUDO, TOSHIKAZU : 19940317; |
| ΠC | 5526328 | P | YOSHIURA, TSUKASA: 19940317; MAT: 19940317; 19960611 US A PATENT |
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                        OAZA KADOMA, KADOMA-SHI OSAKA 571, ; UENO,
                        FUMIAKI: 19950801; OSHIMA, MITSUAKI:
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                        MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
                        1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA;
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| | | | MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. 1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ; OSHIMA, MITSUAKI : 19930122 |
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 Language of Document: English
Patent (No, Kind, Date): US 20020080285 AA 20020627
 COMMUNICATION SYSTEM (English)
 Patent Assignee: OSHIMA MITSUAKI (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No, Kind, Date): US 741336 A 20001221; JP 9267934 A
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 JAPIO Reference No: * 180486E000144
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Patent (No, Kind, Date): US 20020080961 AA 20020627
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   MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): US 81944 A 20020220; JP 95261247 A
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   Al 19991116; US 649411 Al 19960516
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 Addnl Info: 6285763 Patented; 6052465 Patented
 National Class: * 380201000
 IPC: * H04N-007/167
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): US 6175629 BA 20010116
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
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   MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
   SHINICHI
            (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No, Kind, Date): US 441357 A 19991116; JP 95261247 A
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 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
Patent (No, Kind, Date): US 6208736 BA 20010327
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 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
    SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
  Priority (No, Kind, Date): US 441021 A 19991116; JP 95261247 A
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 JAPIO Reference No: * 180486E000144
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Patent (No, Kind, Date): JP 3175740 B2 20010611
 Priority (No, Kind, Date): JP 99373897 A 19961008; JP 95261247 A
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   Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
   Author (Inventor): MITSUAKI OSHIMA (JP)
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   Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
   Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI; USHIGOME HISASHI
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   Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
   Author (Inventor): MITSUAKI OSHIMA; HIDEAKI KOMODA; HISASHI USHIGOME
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   Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
   Author (Inventor): GOTOH YOSHIBO; OSHIMAI MITSUAKI; TANAKA SHINICHI;
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   Author (Inventor): OSHIMA MITSUAKI (JP)
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                                               19930121; JP 9392219 A
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                        OSHIMA MITZAKI (JP); SHIMIZ RYOOSKI (JP); KOUDO
   Author (Inventor):
                 (JP); YOSHIHURA SKASHA (JP); MASURA TAKUMI (JP); DANAKA
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   Author (Inventor): OOSIMA MITSUAKI (JP)
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    Patent Assignee: MATSUSHITA ELECTRIC IND K K (JP)
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    Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
   Author (Inventor): OSHIMA MITSUAKI; SHIMIZU RYOSUKE; KOUDO TOSHIKAZU;
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   OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK,
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     (English)
   Patent Assignee:
                      MATSUSHITA ELECTRIC IND CO LTD (JP); UENO FUMIAKI
      (JP); OSHIMA MITSUAKI (JP)
   Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)
   Priority (No, Kind, Date): JP 93335165 A 19931228; JP 9422191 A
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  Patent (No, Kind, Date): WO 9528704 Al 19951026
   METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL
     INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English)
   Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
   Author (Inventor): OSHIMA MITSUAKI; GOTOH YOSHIHO
   Priority (No, Kind, Date): JP 94104879 A 19940418; JP 94283415 A
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   MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON
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     PRODUCING METHOD (English)
   Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
   Author (Inventor): OSHIMA MITSUAKI; GOTOH YOSHIHO
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 Language of Document: Japanese
Patent (No, Kind, Date): WO 9714144 Al 19970417
 OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED
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    (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP); OSHIMA MITSUAKI
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    (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
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 Language of Document: Japanese
Patent (No, Kind, Date): WO 9714146 Al 19970417
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   REPRODUCTION APPARATUS, AND MARKING METHOD, LASER MARKING METHOD FOR OPTICAL DISK, AND METHOD OF OPTICAL DISK PRODUCTION (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
                                                  (JP)
 Author (Inventor): GOTOH YOSHIHO; OSHIMA MITSUAKI; TANAKA SHINICHI;
   KOISHI KENJI; MORIYA MITSURO
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 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP); OSHIMA MITSUAKI
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